

FIG. 1A

10073491 . 051307

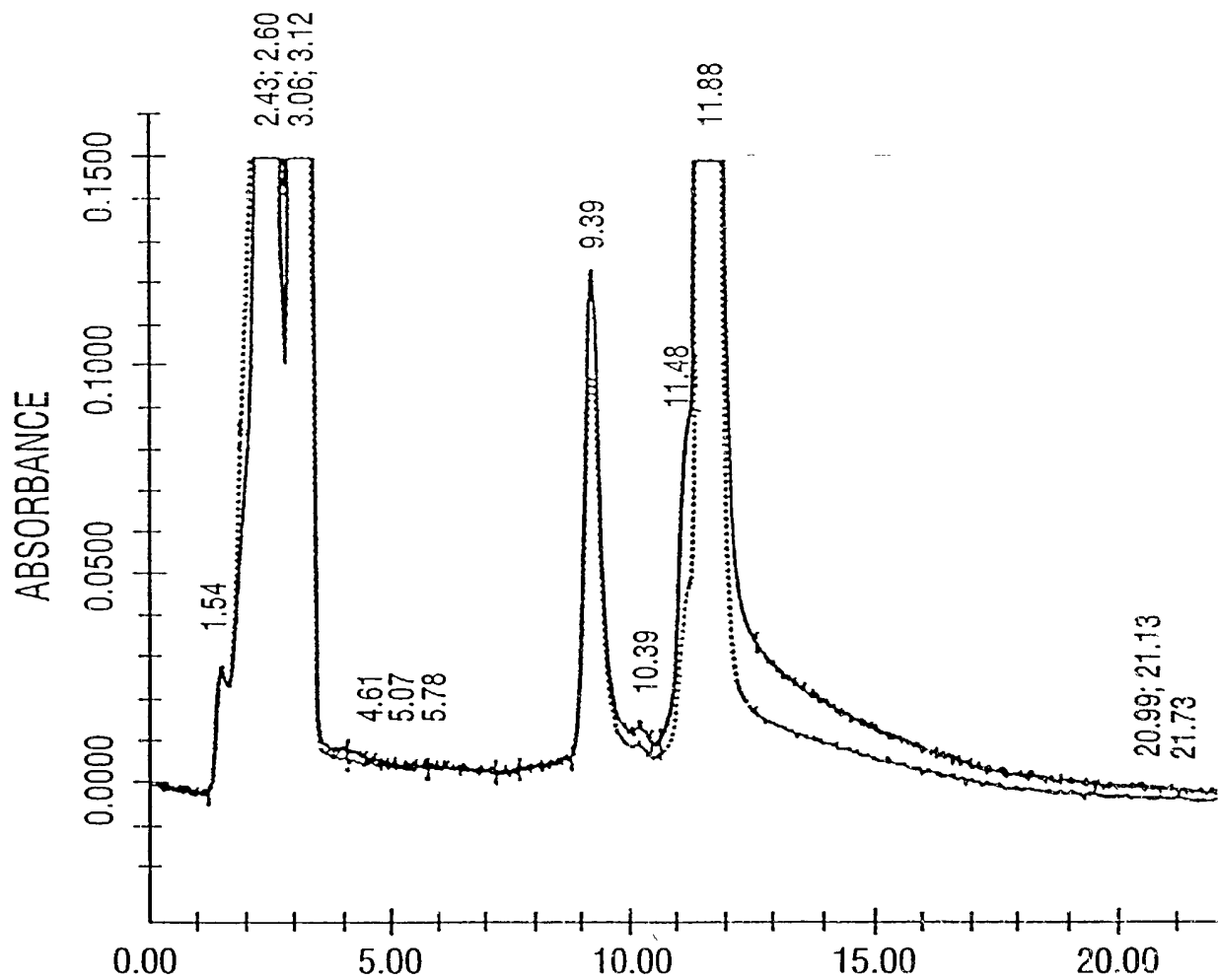


FIG. 1B

100733491_051302

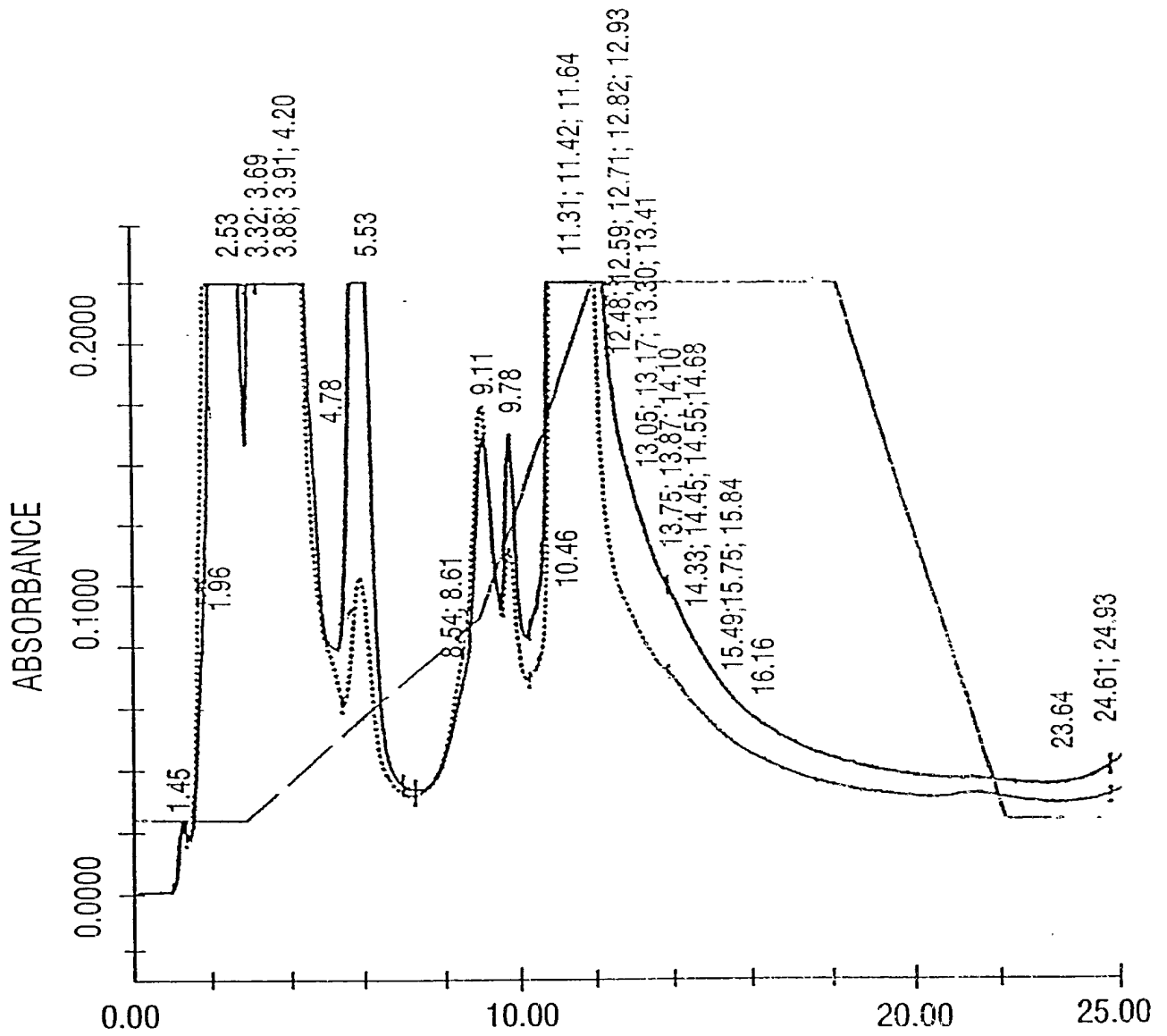


FIG. 2

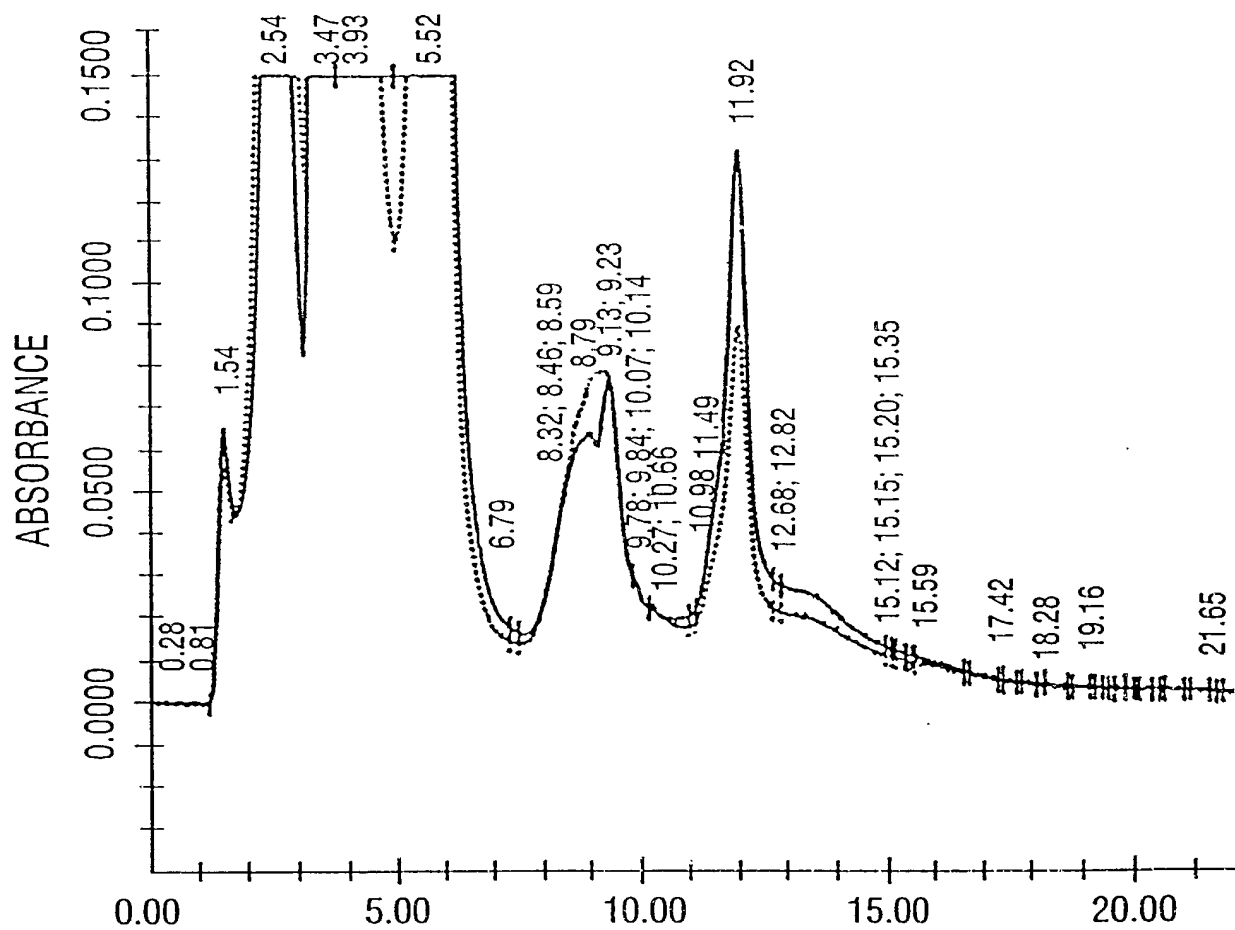


FIG. 3B

10/033,491 10/033,491

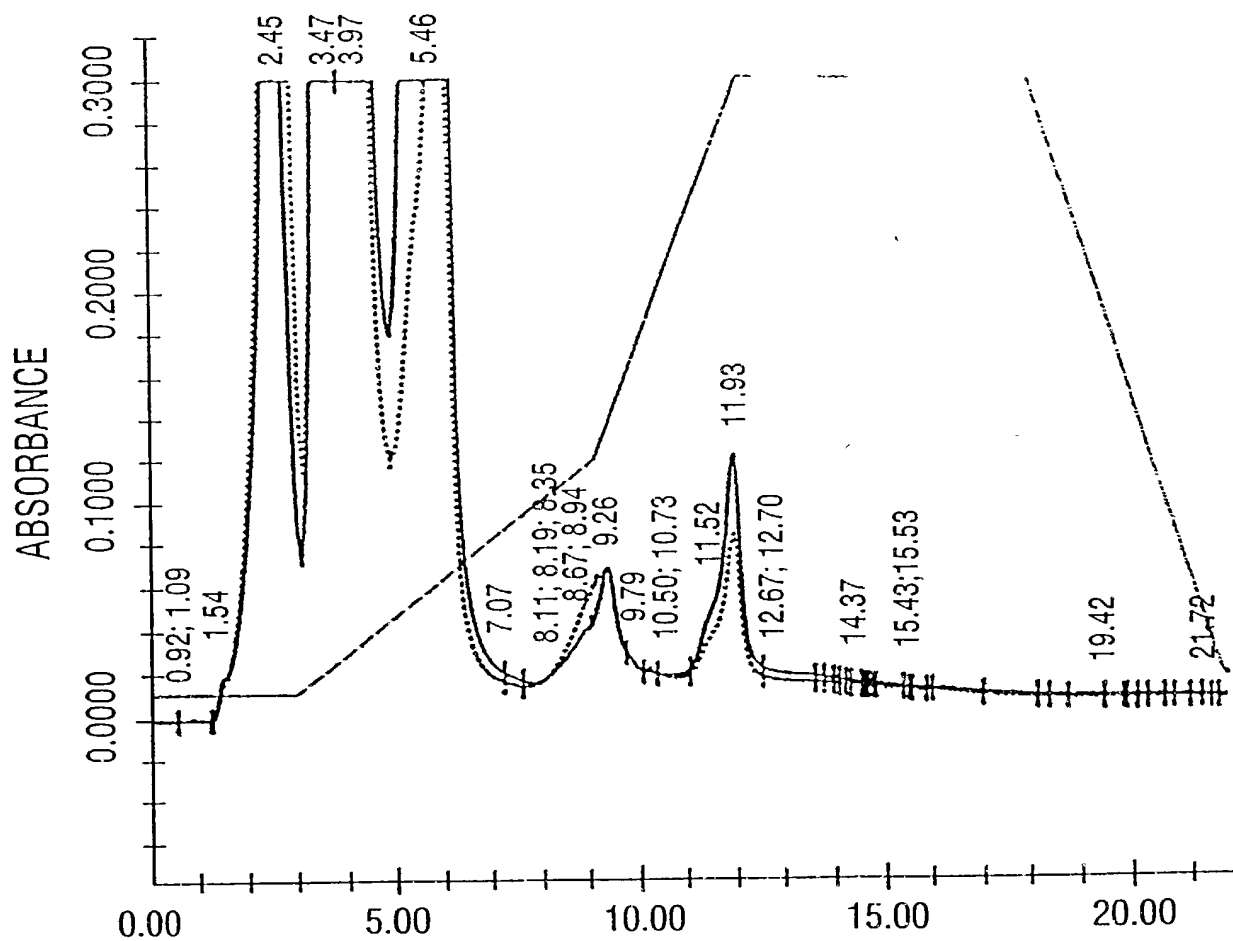


FIG. 3C

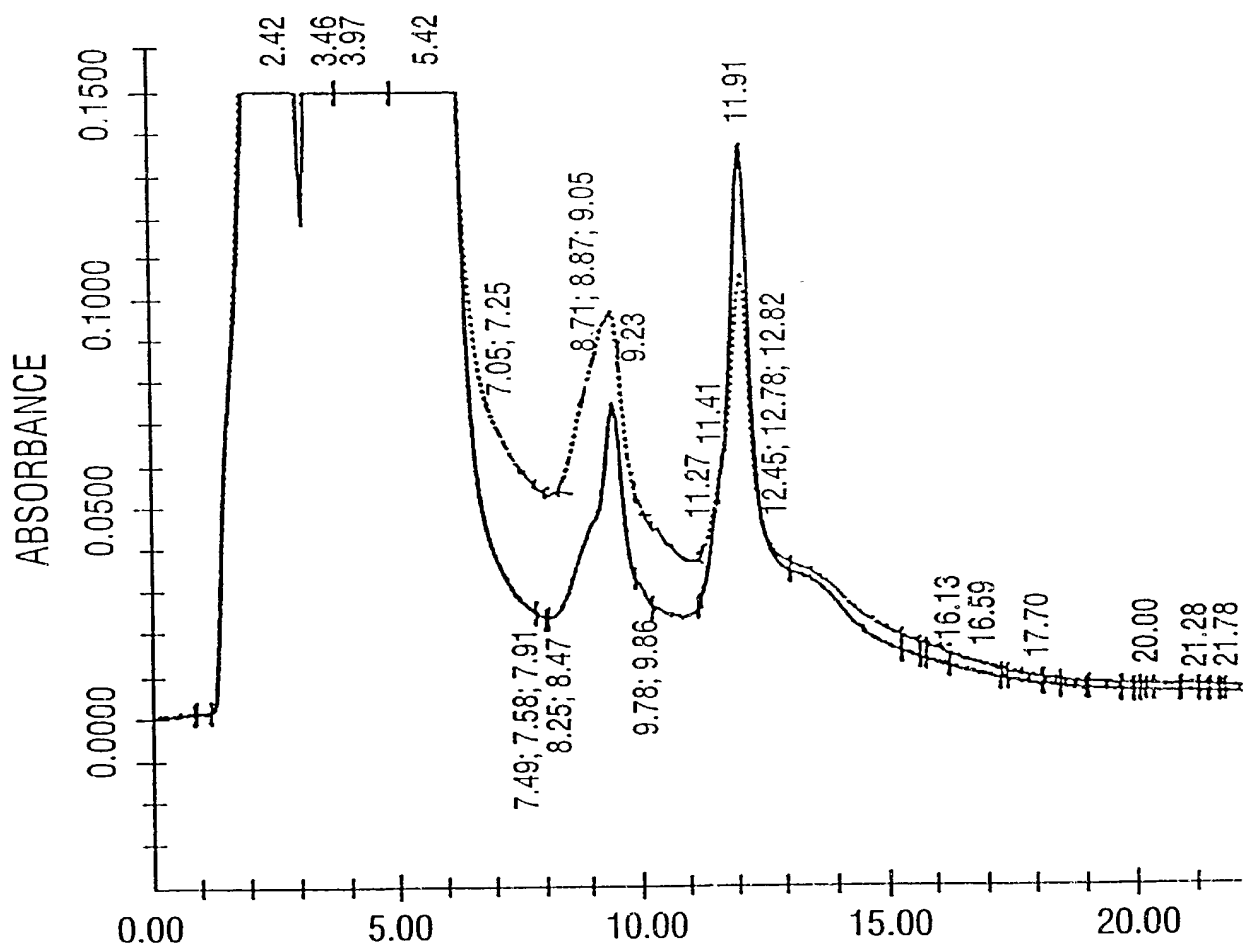


FIG. 3D

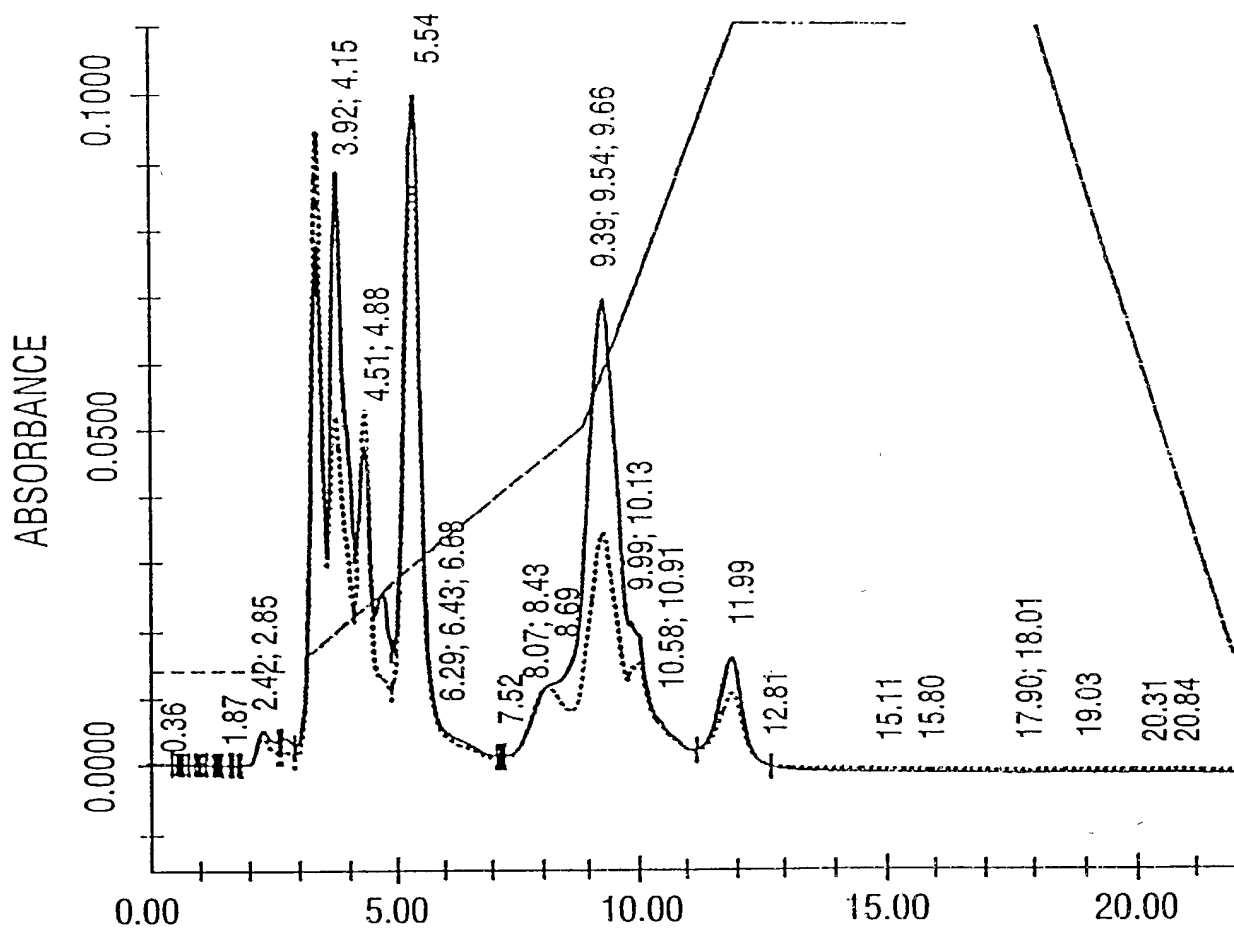


FIG. 3E

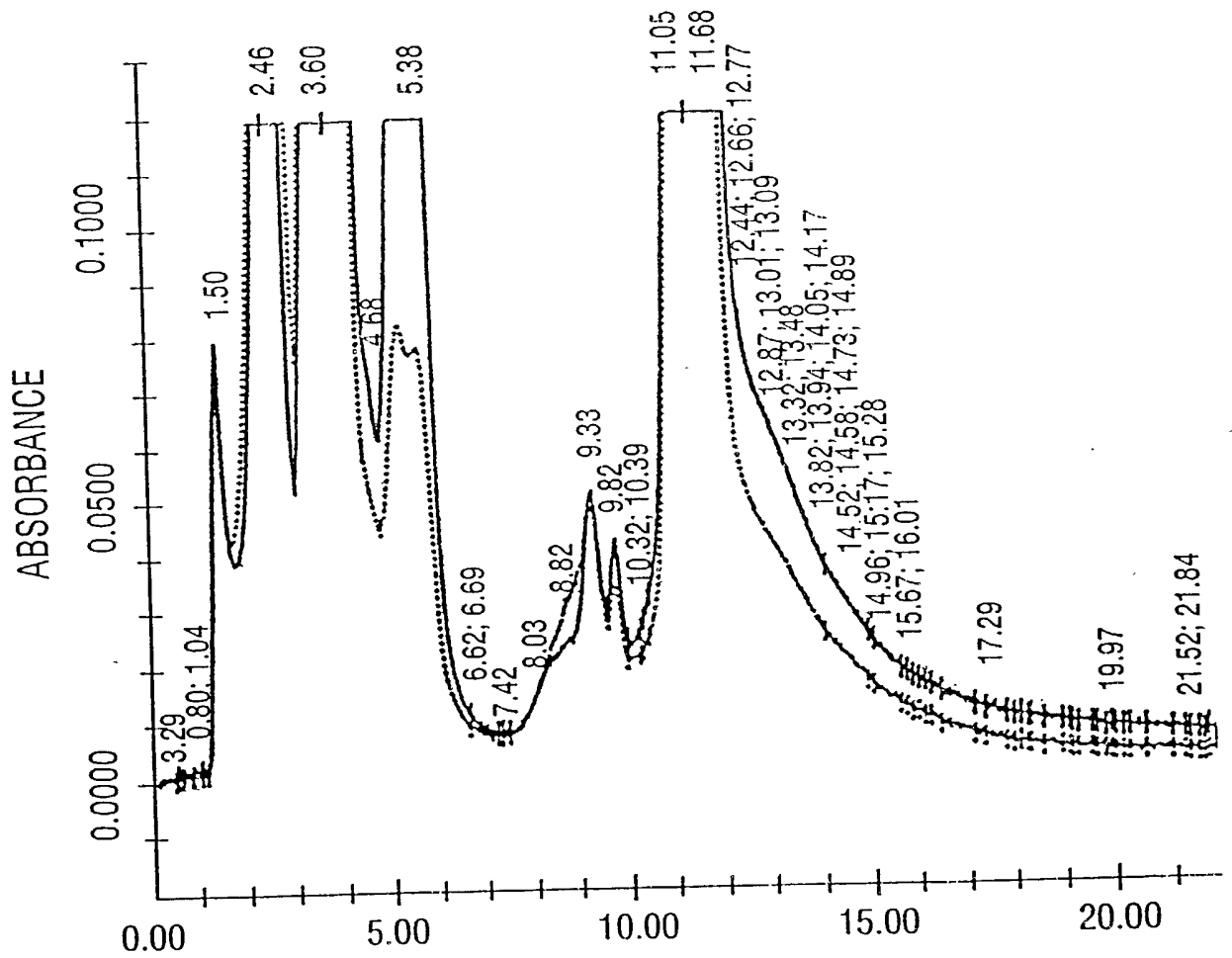


FIG. 4A

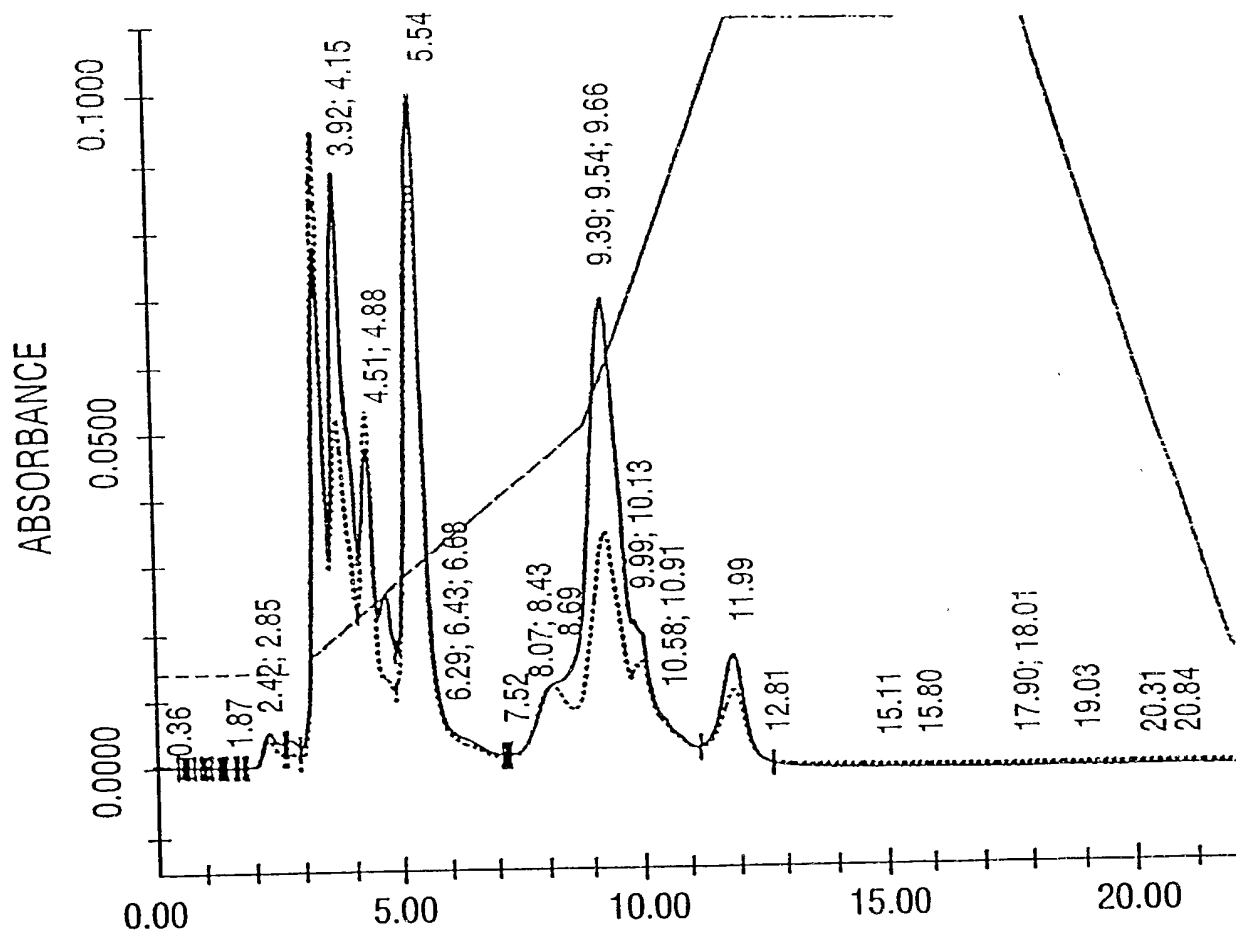


FIG. 4B

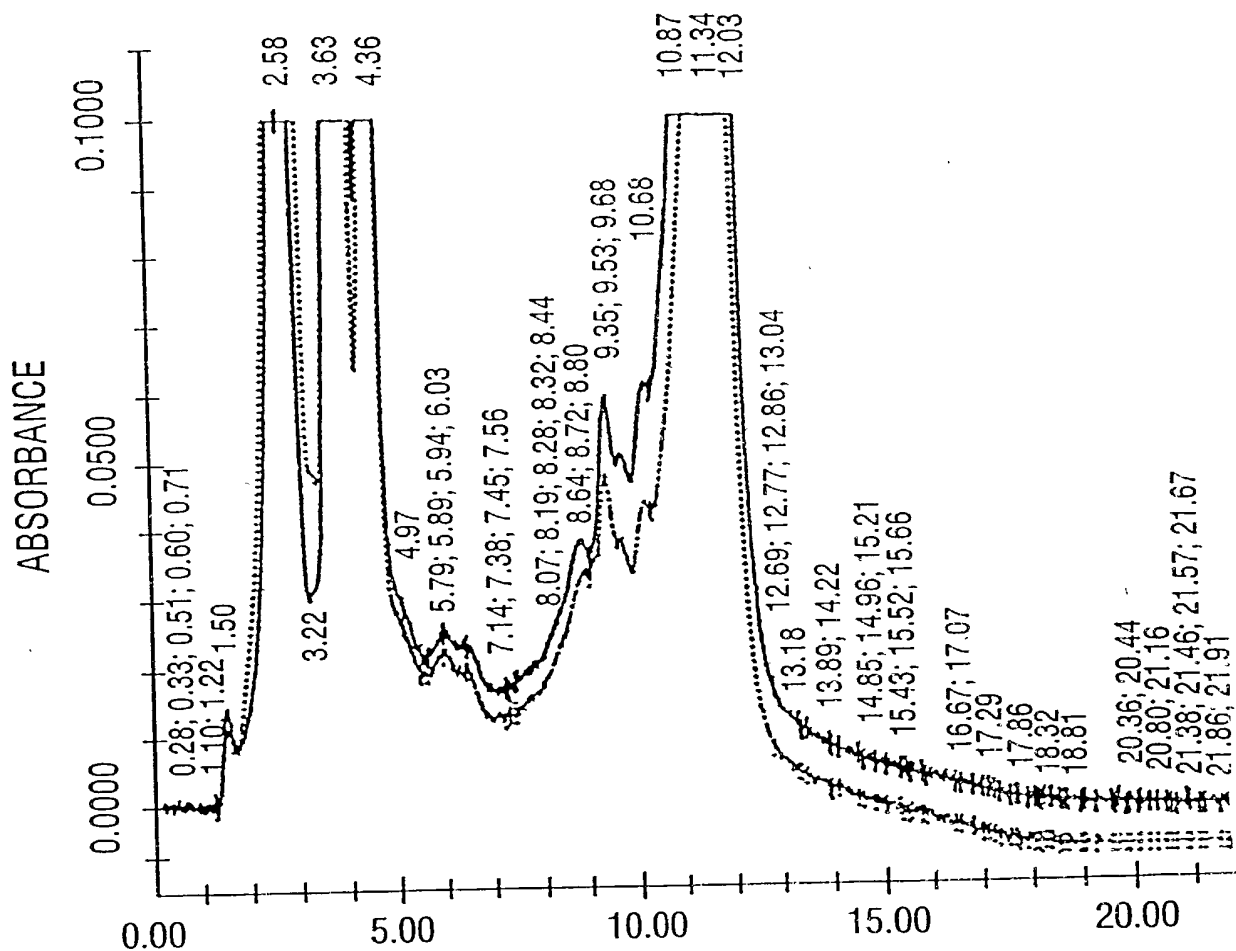


FIG. 5

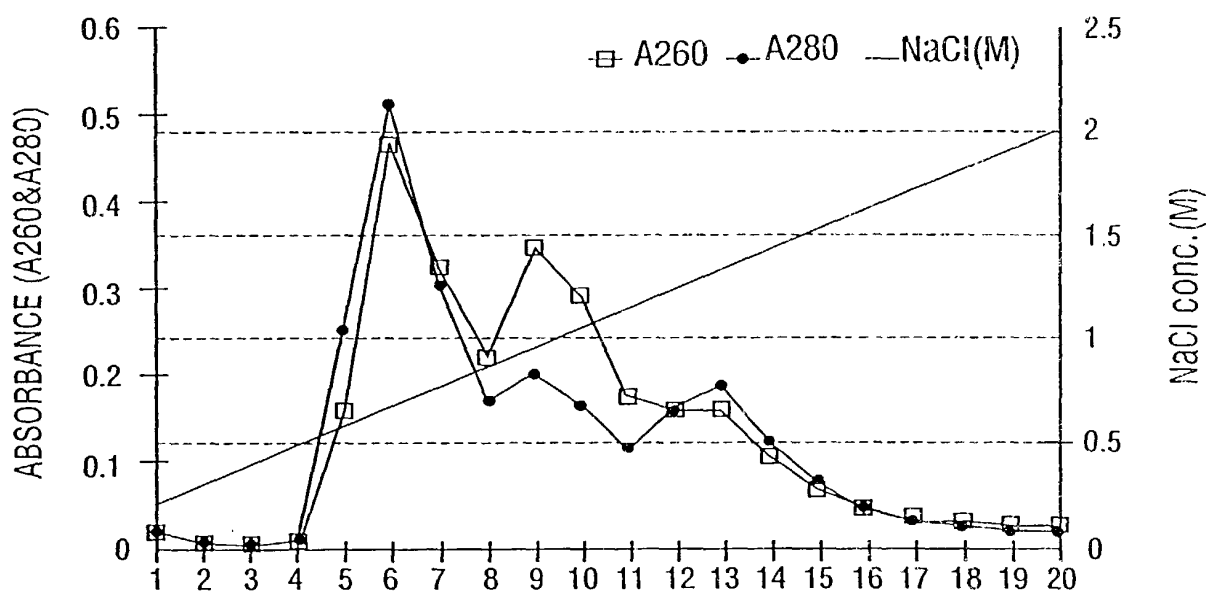


FIG. 6

--- p1_06_M2_Cond_01---Fractions_1

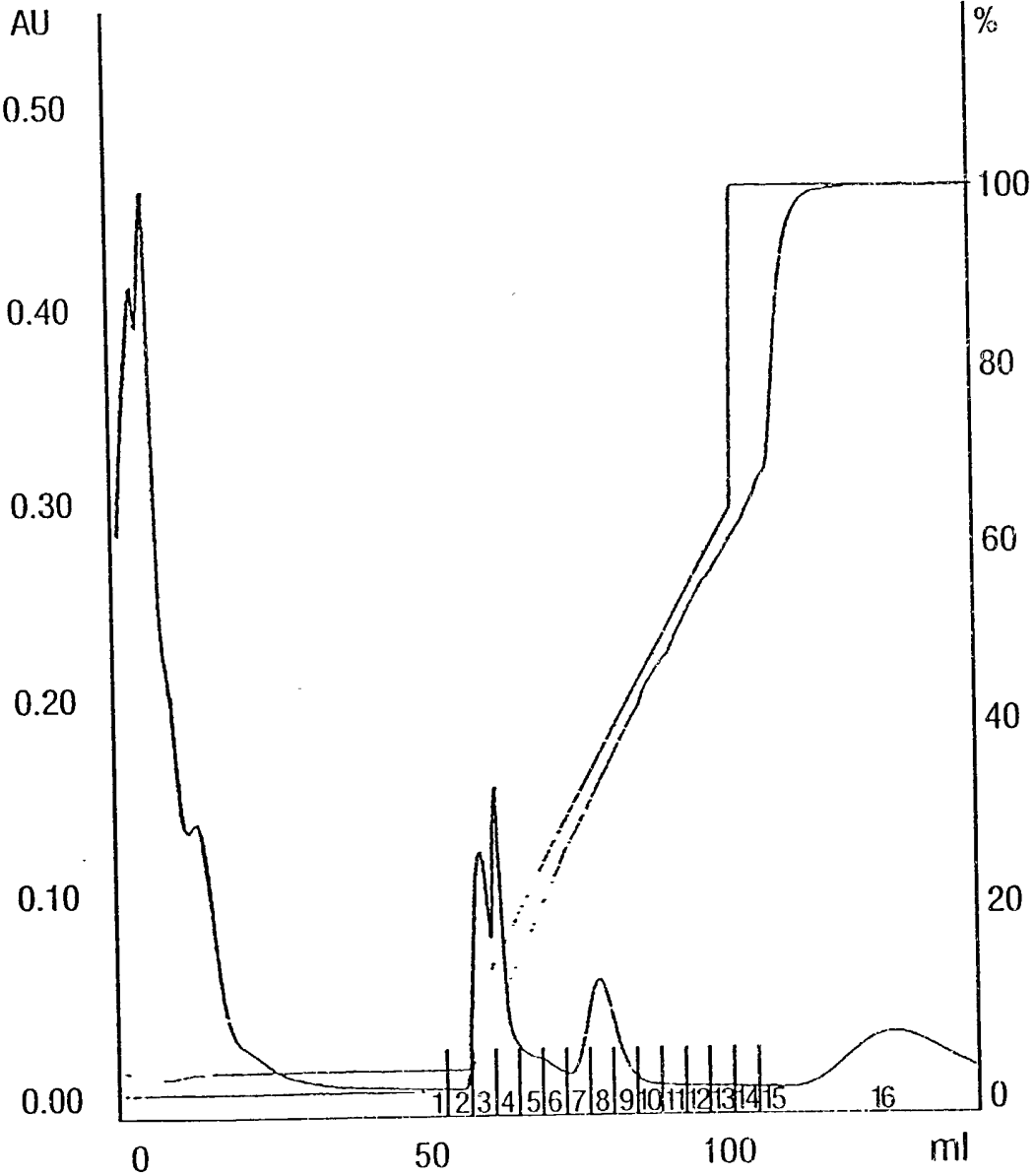
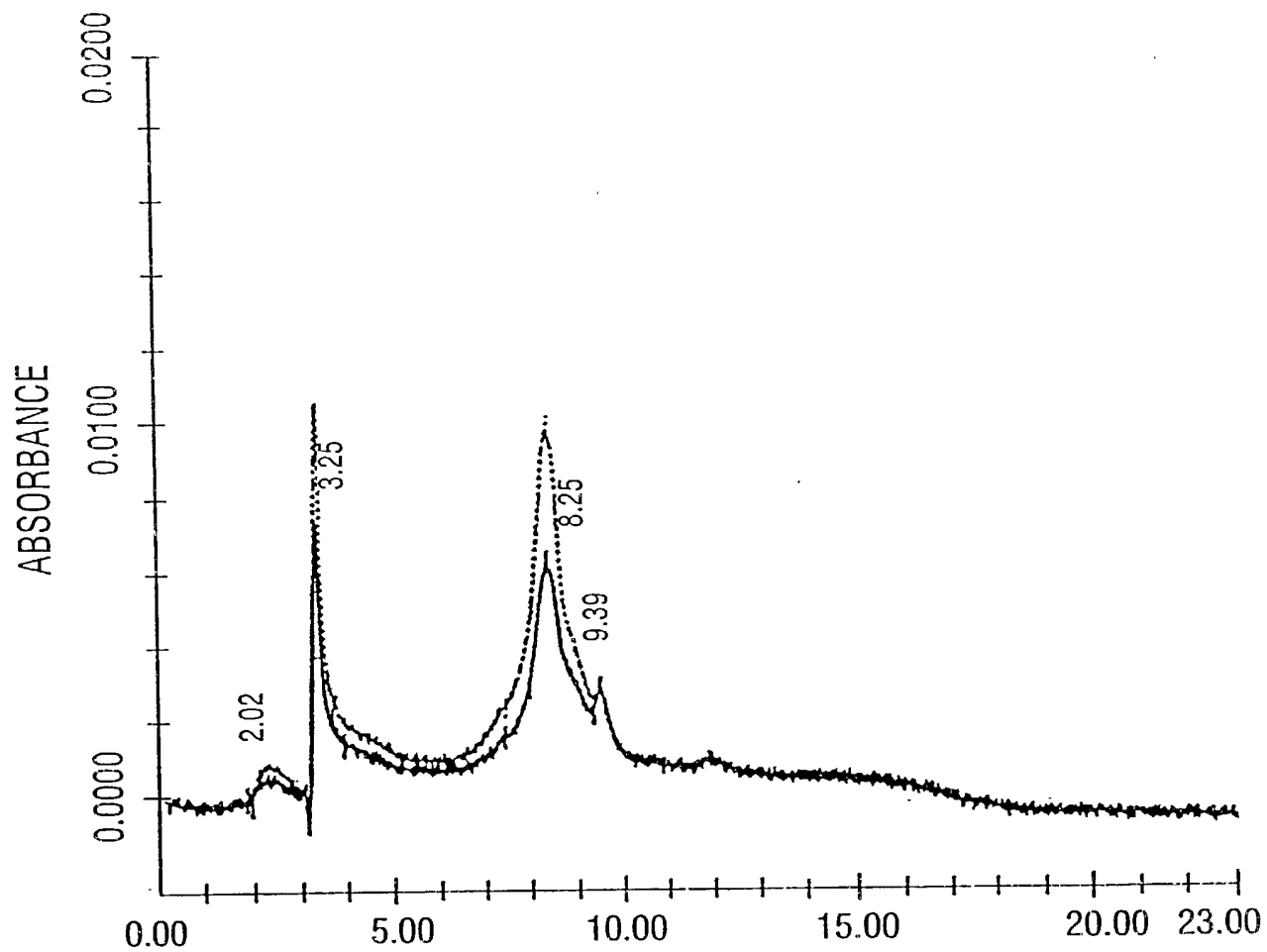


FIG. 7



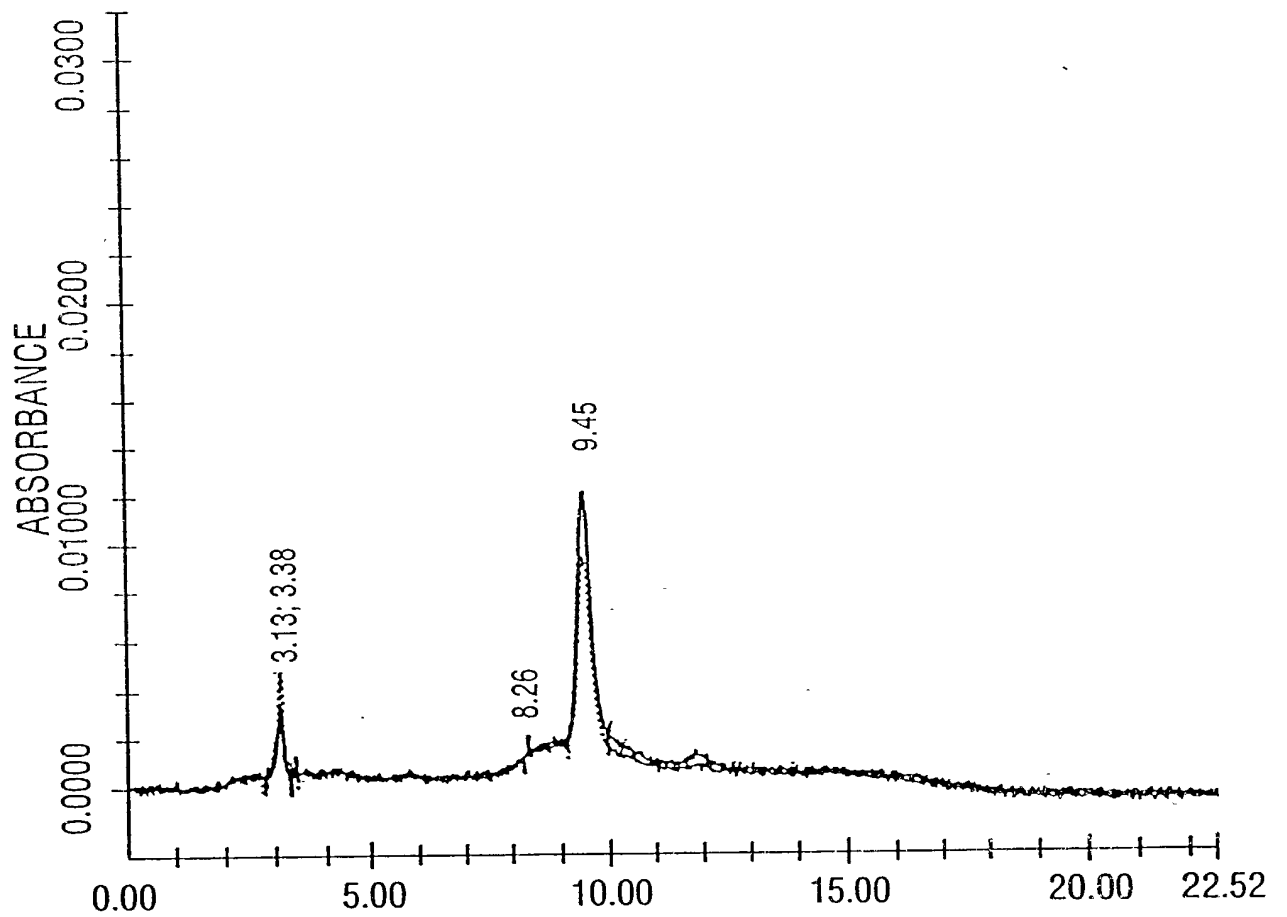


FIG. 8B

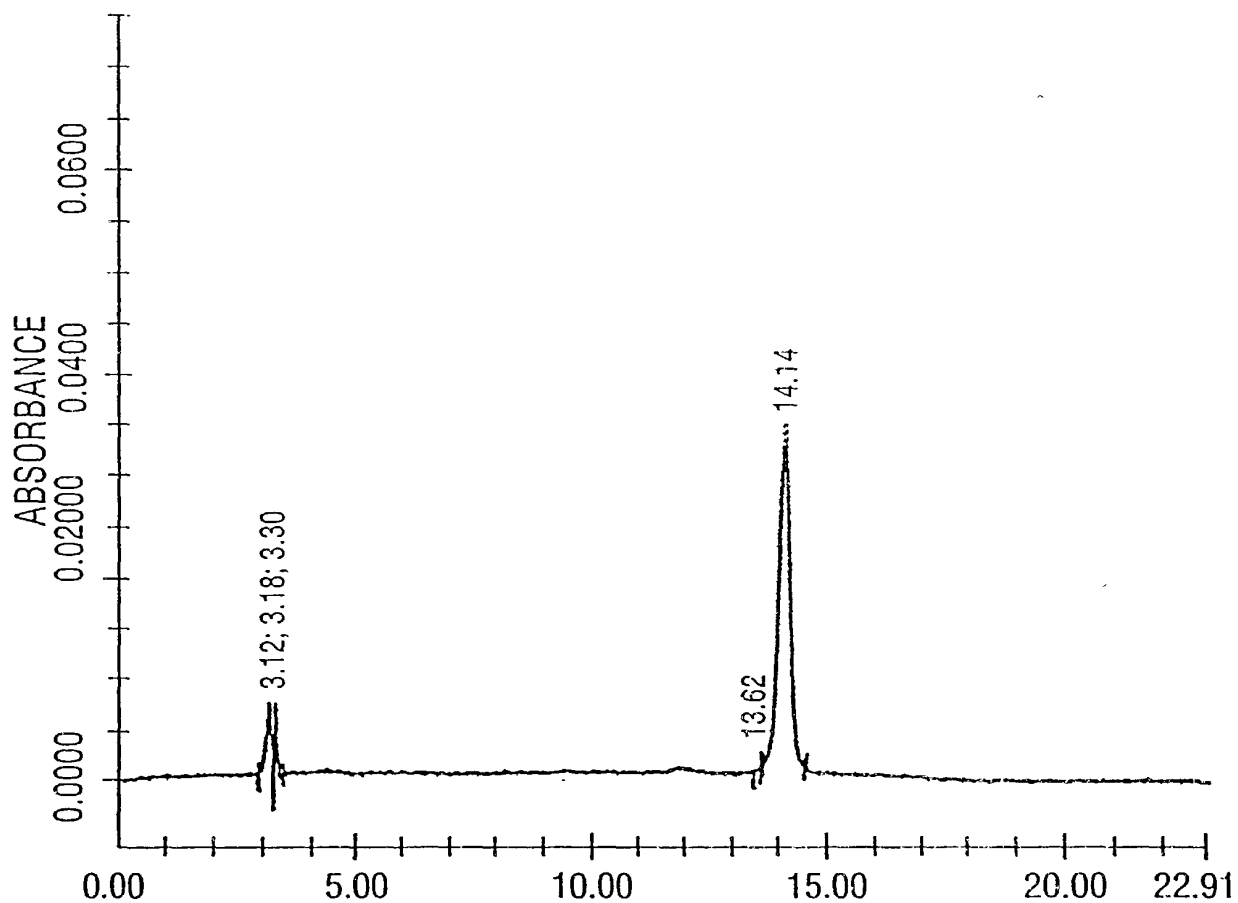


FIG. 8C

— p1__08_M1_UV_280nm_01 — p1__08_ConcB_01
- - - p1__08_M2_Cond_01 — Fractions_1

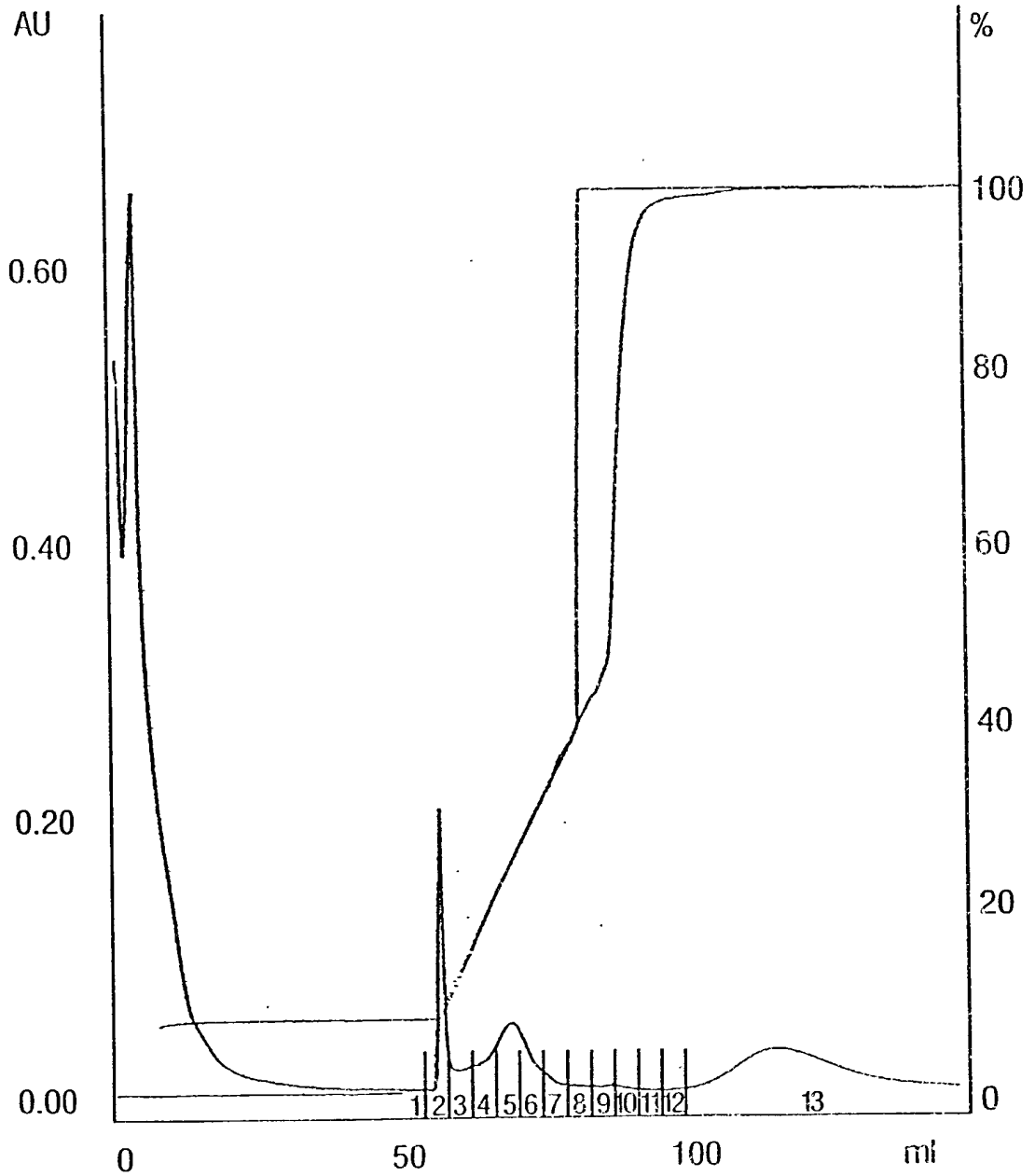


FIG. 9

10/033,491, 075, 1, 7002

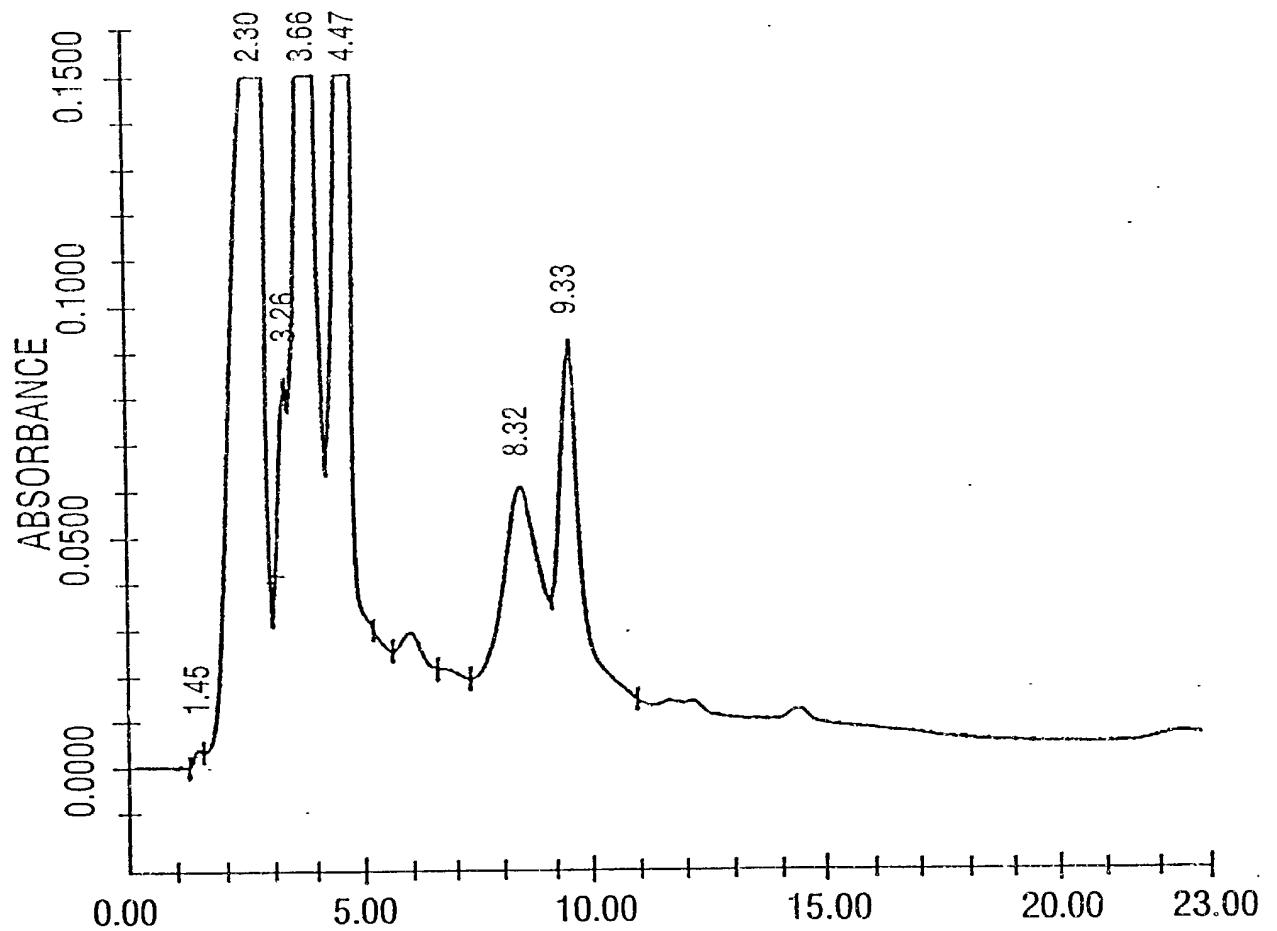


FIG. 10A

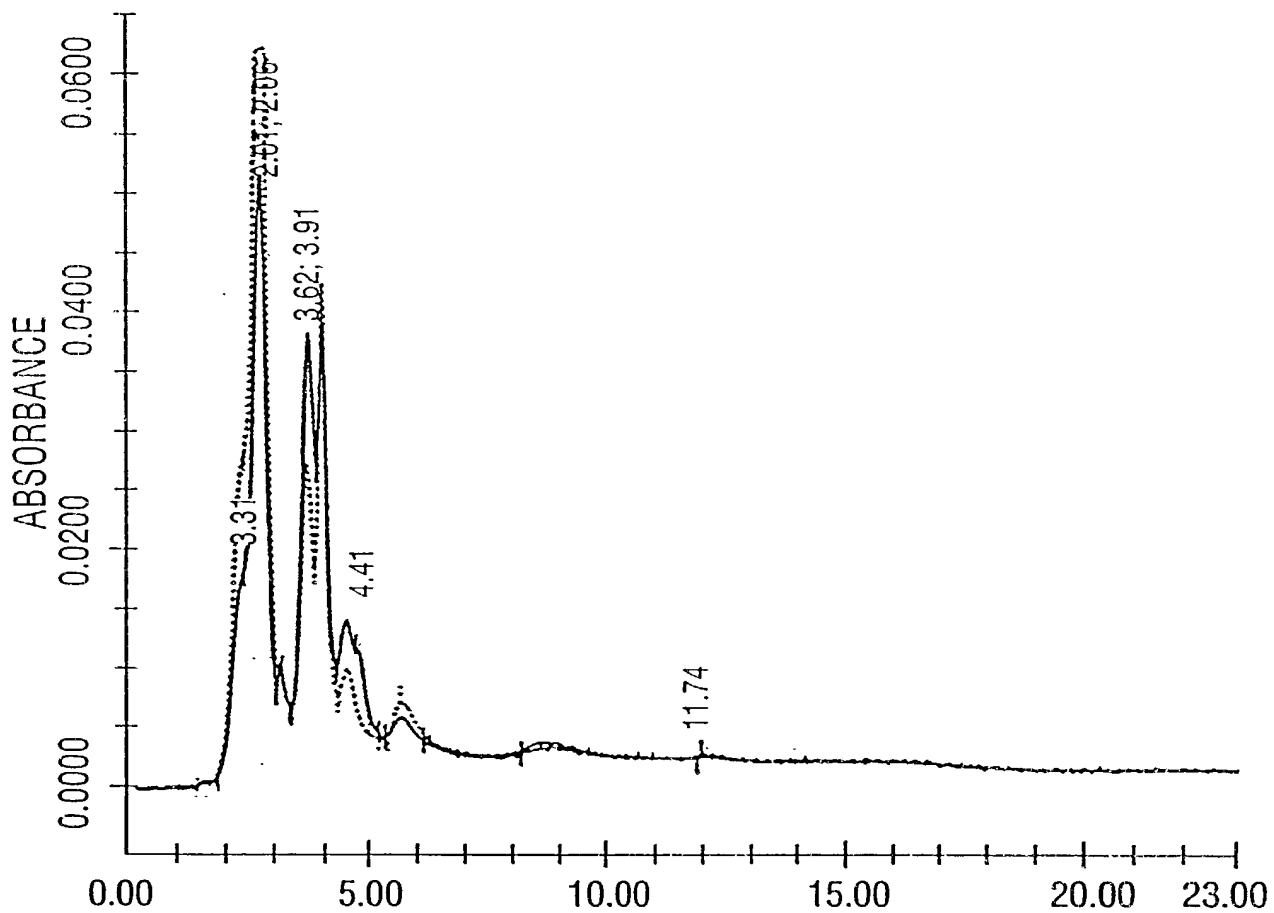


FIG. 10B

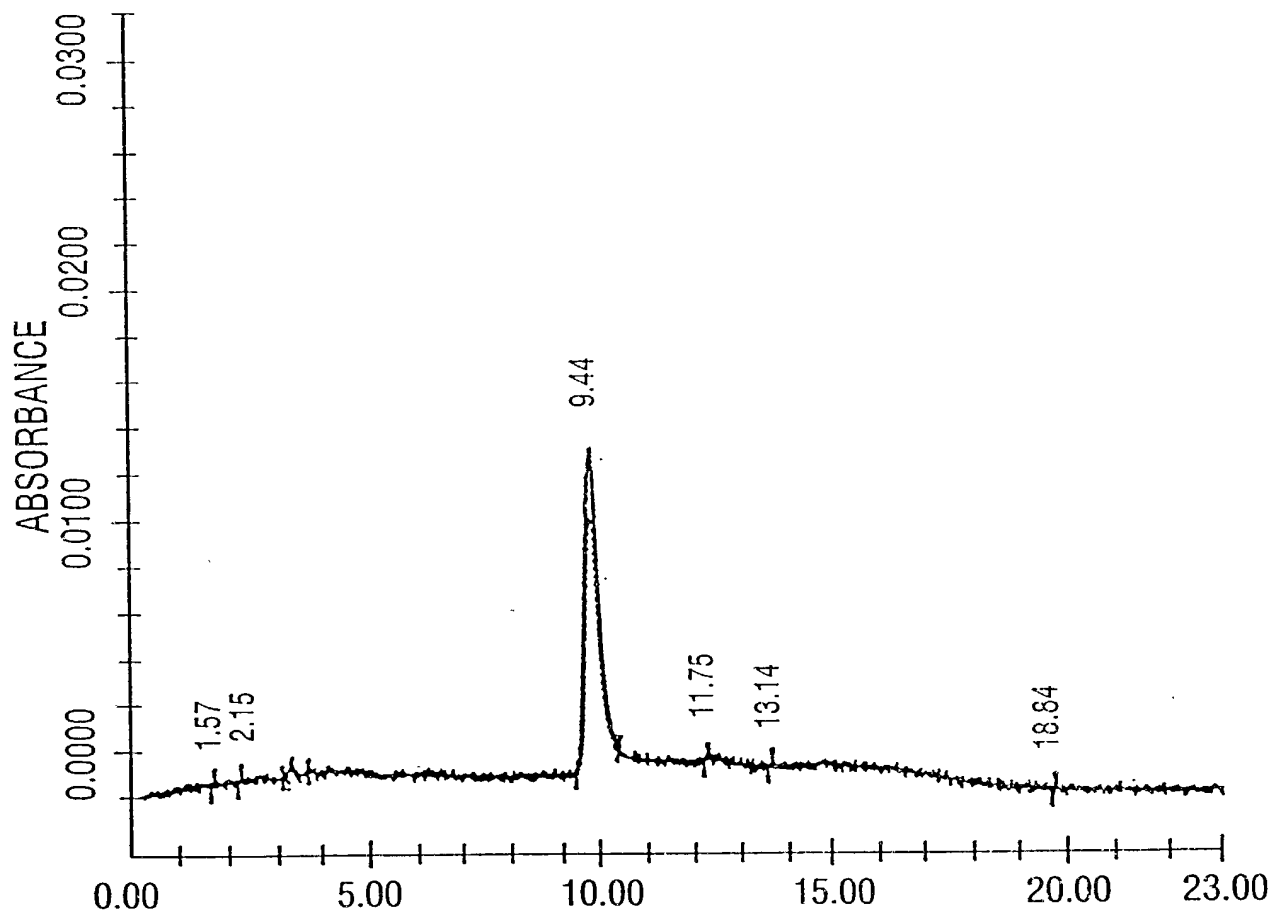


FIG. 10C

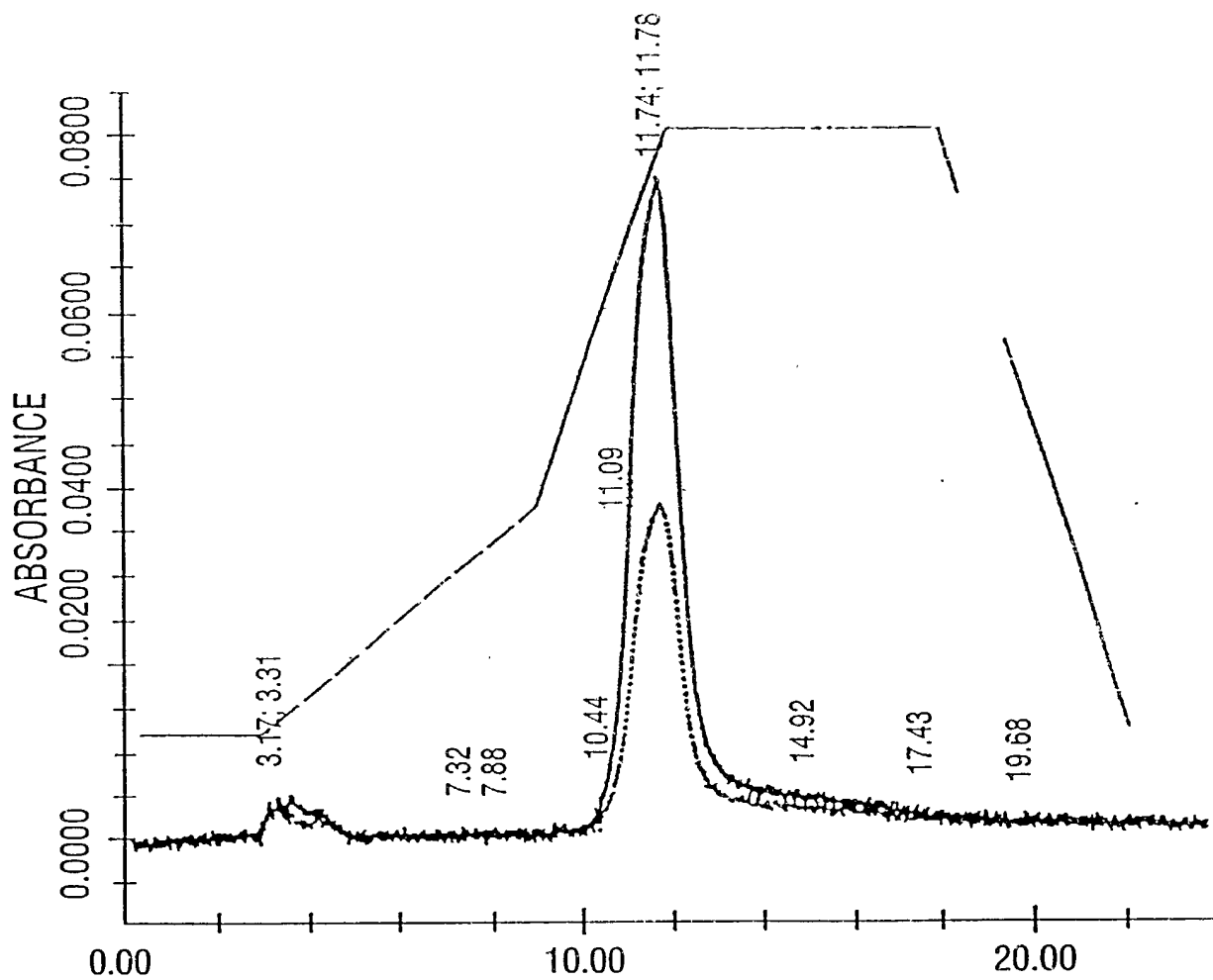


FIG. 10D

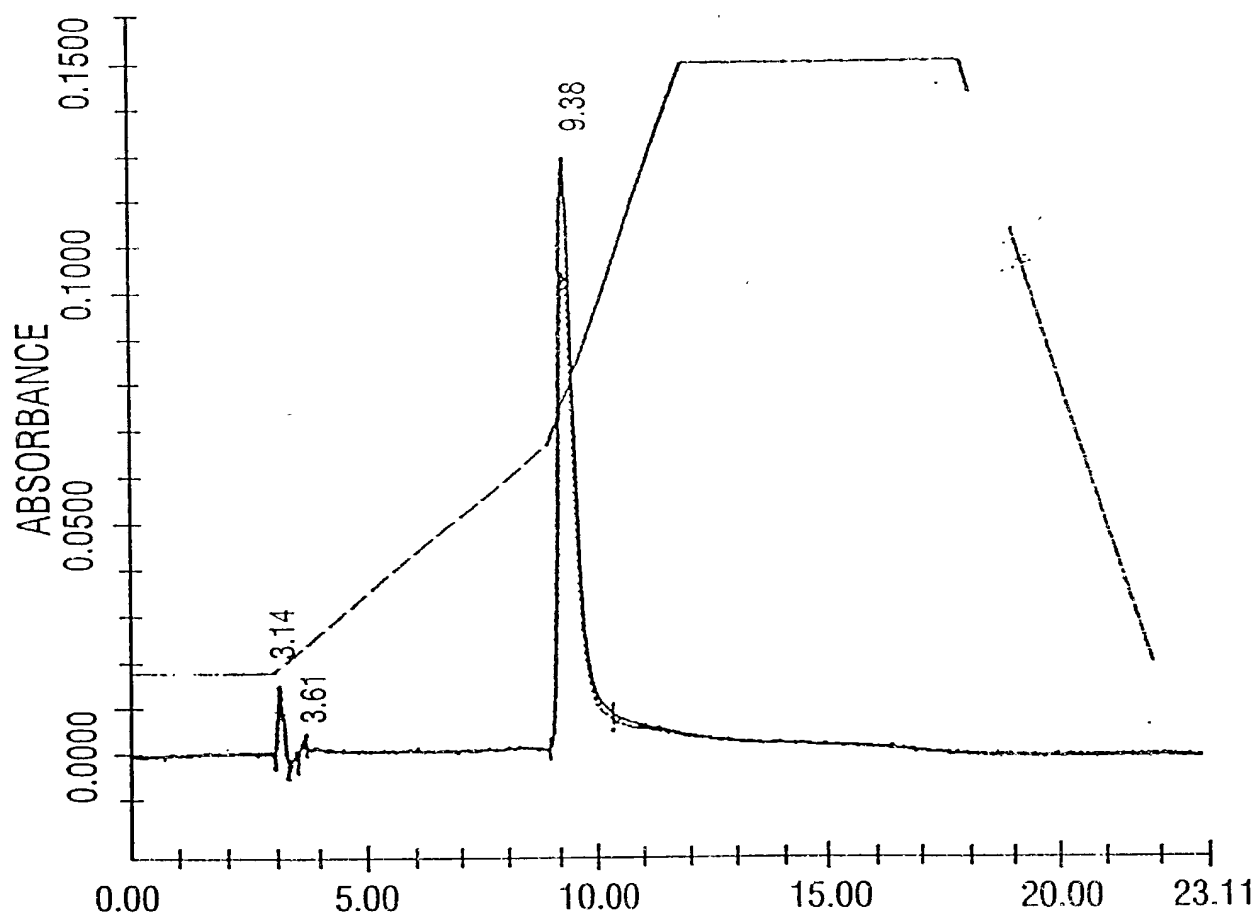


FIG. 10E

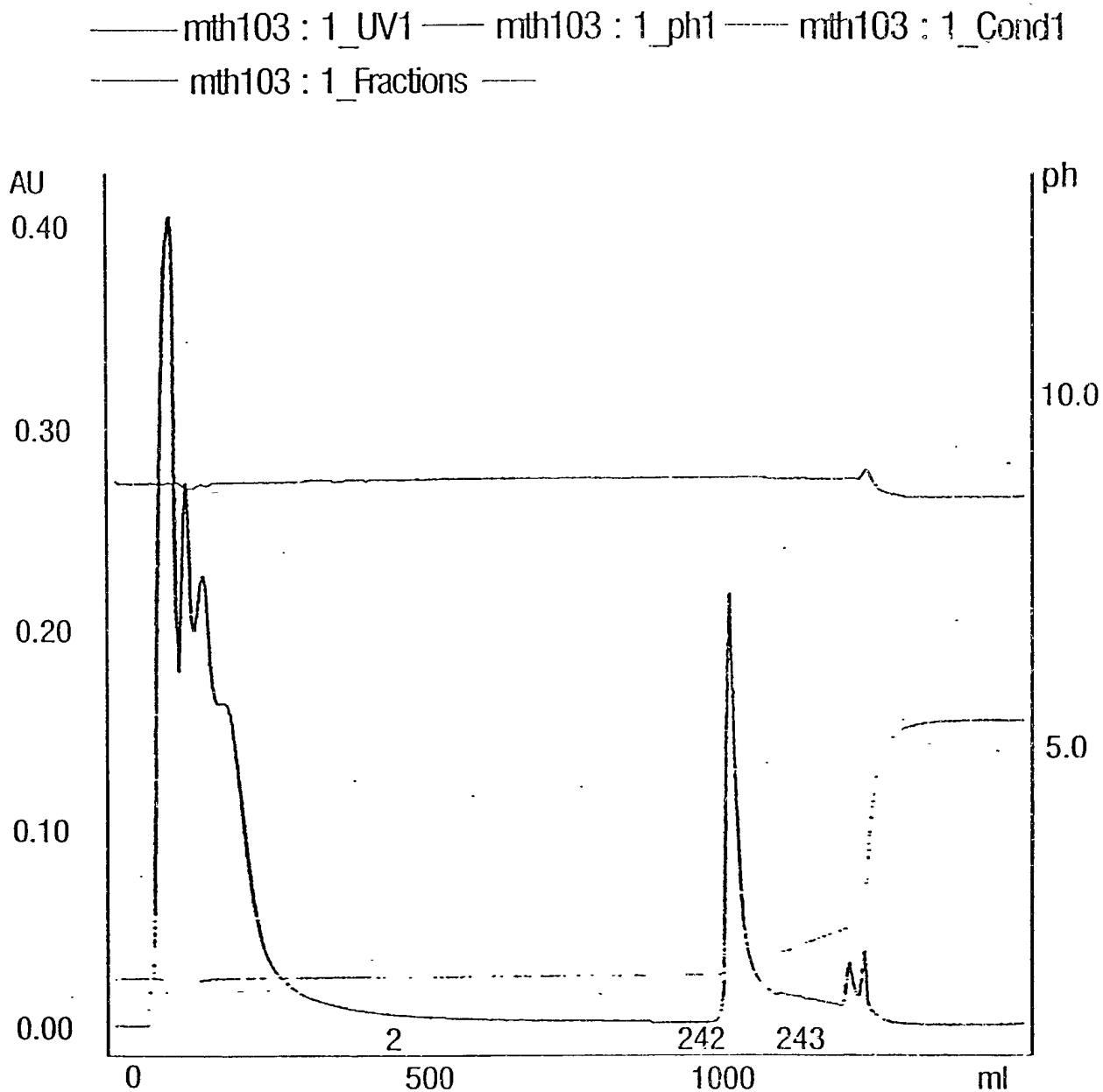


FIG. 11

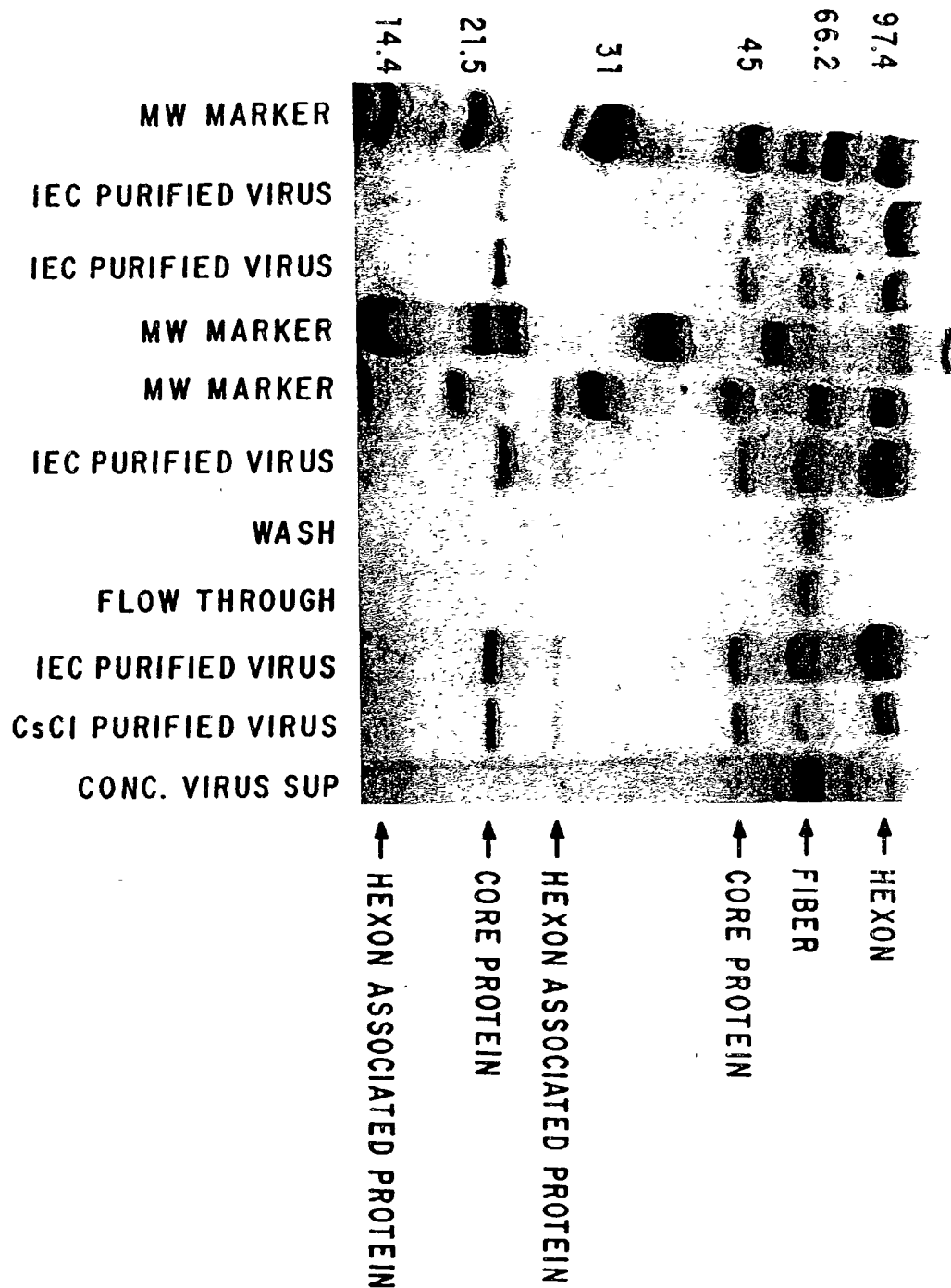


FIG.12

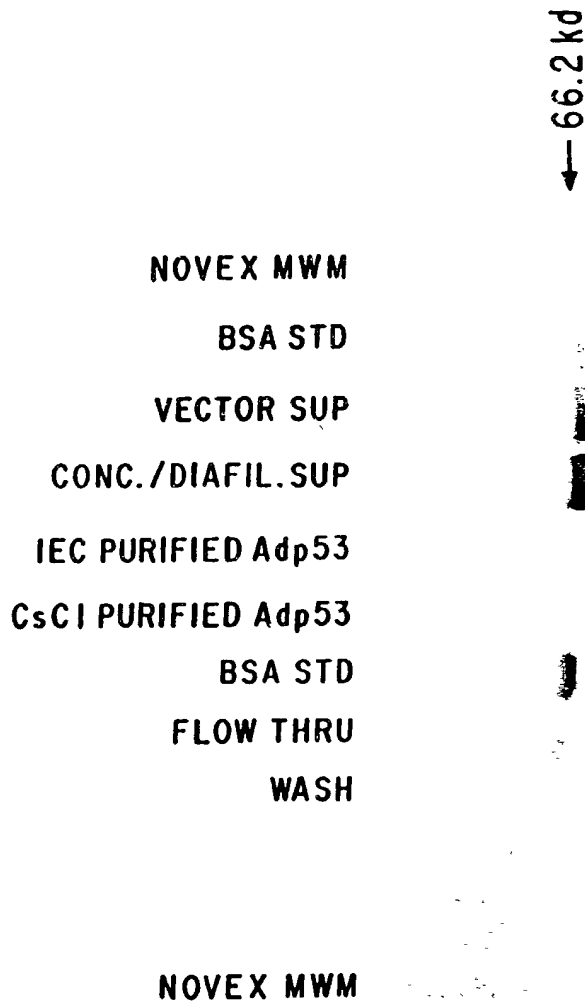


FIG.13

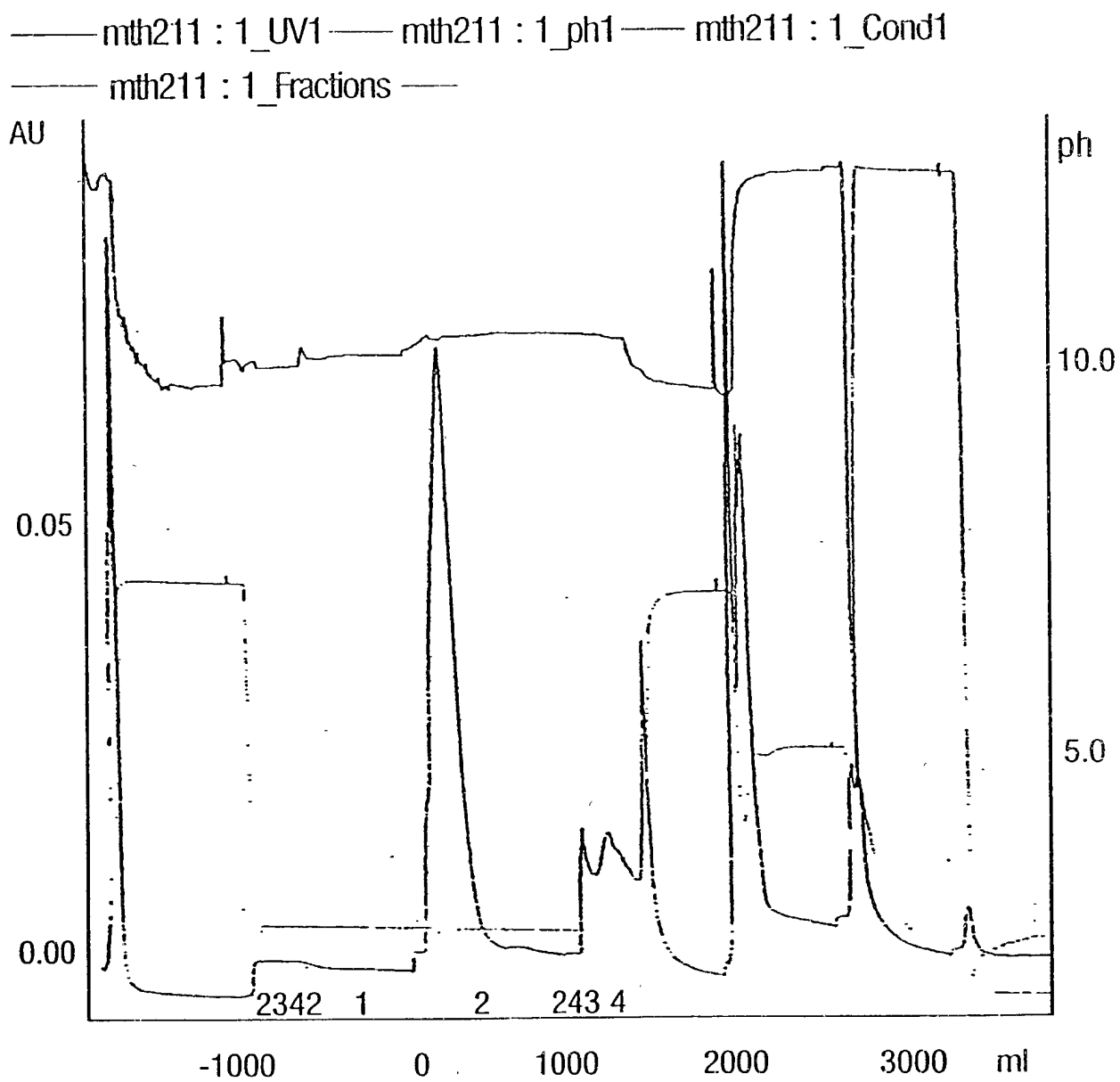


FIG. 14

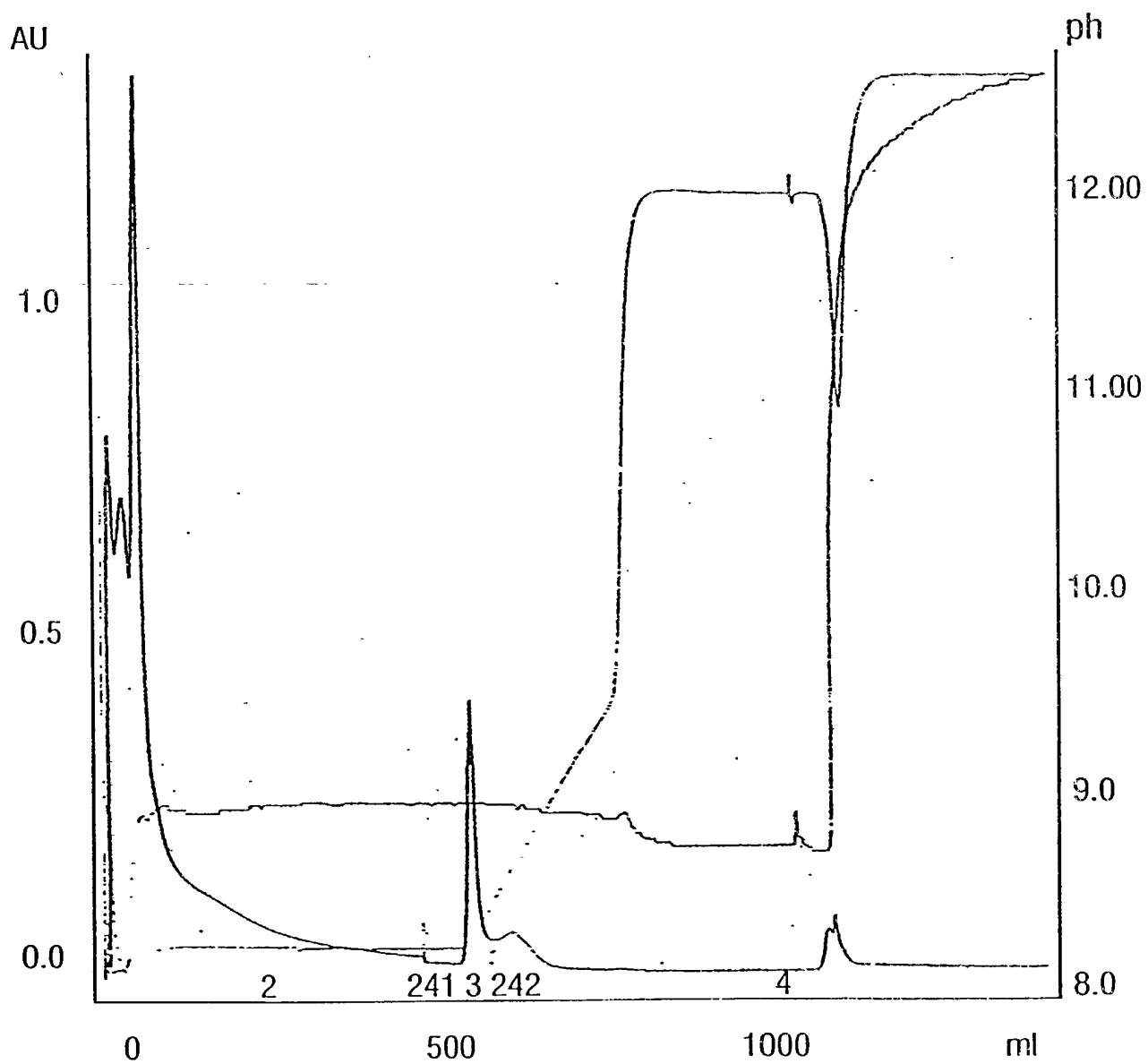


FIG. 15

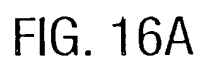


FIG. 16A

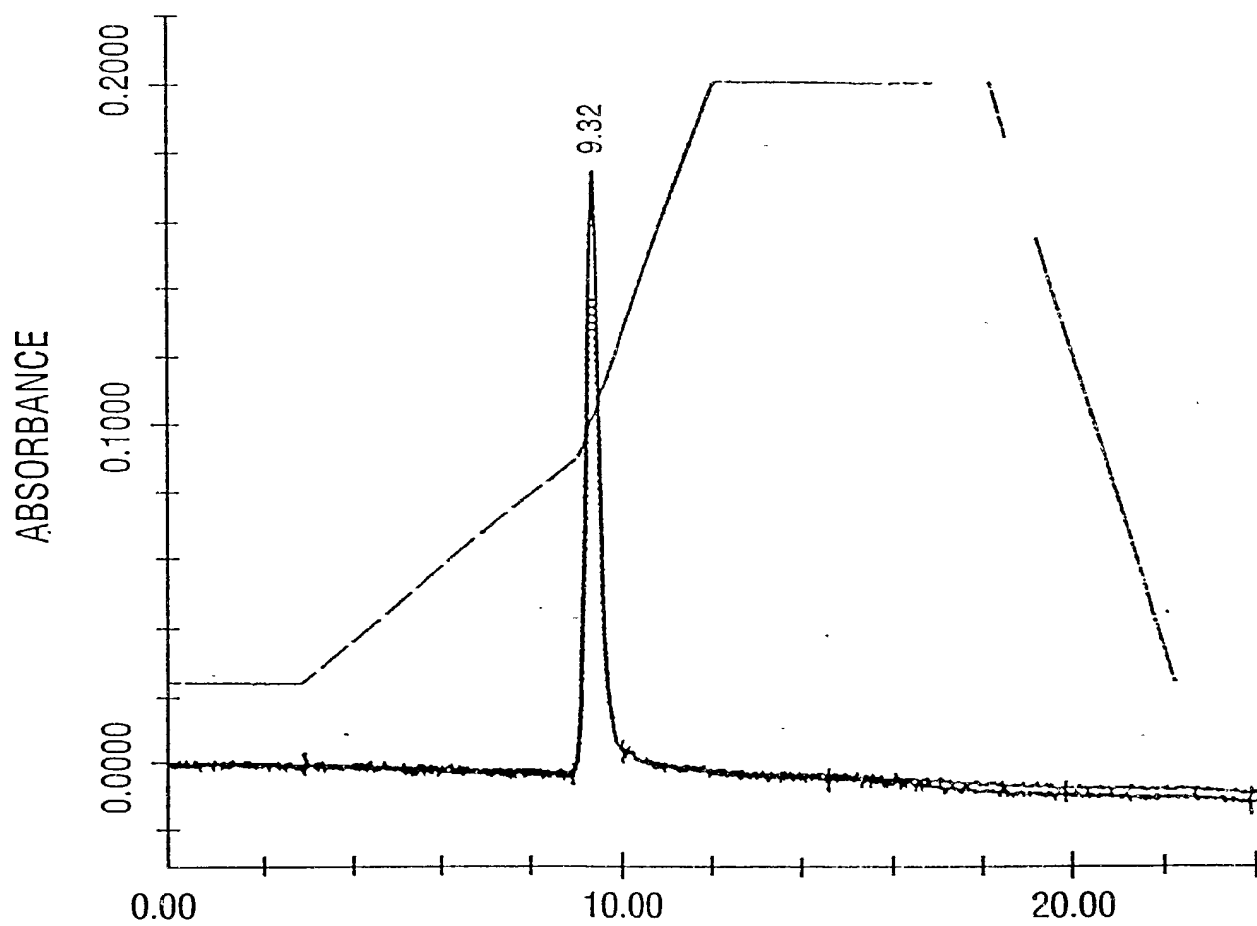


FIG. 16B

— mth412 : 1_UV1 — mth412 : 1_ph1 — mth412 : 1_Cond1
— mth412 : 1_Fractions —

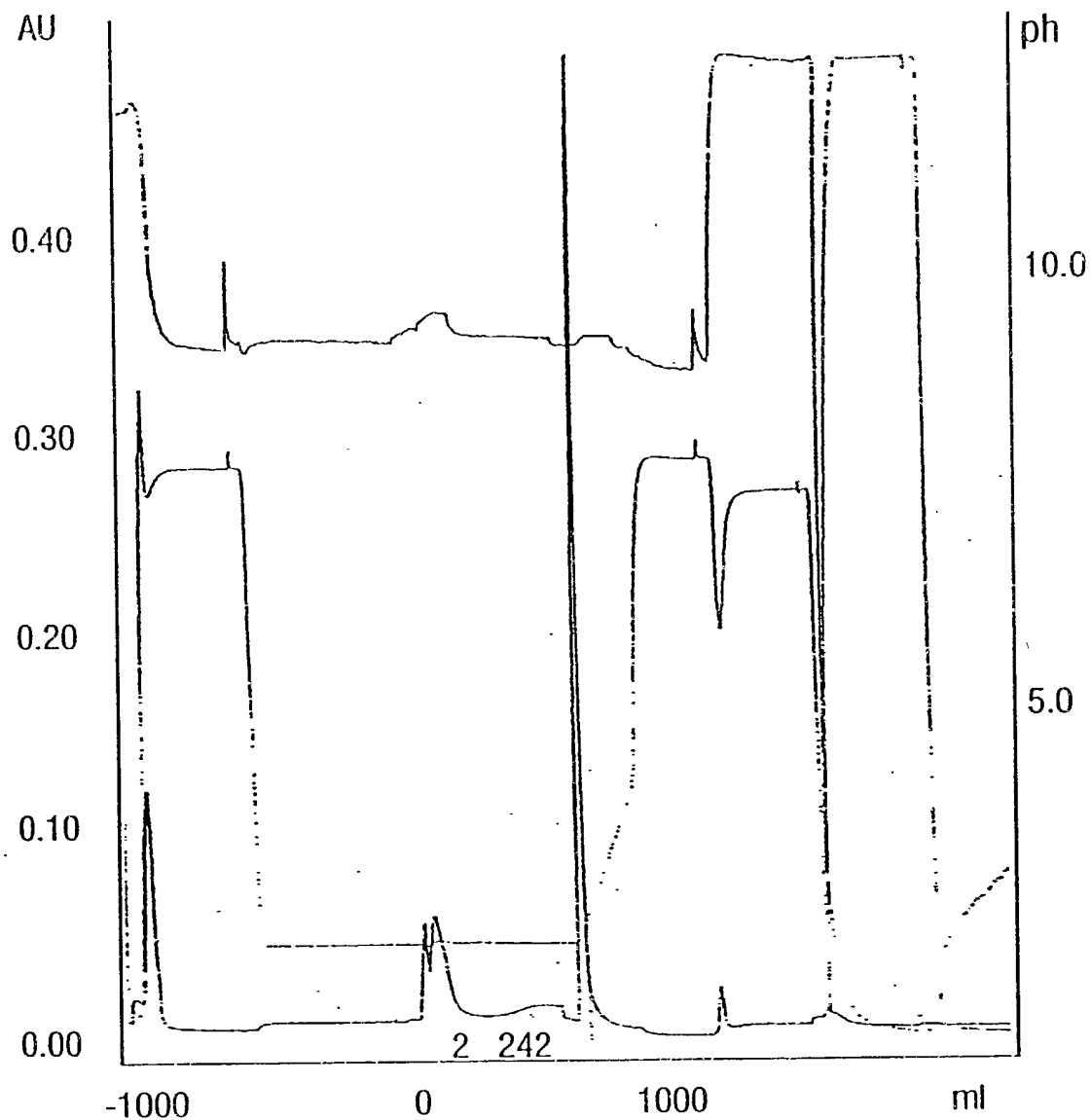


FIG. 17

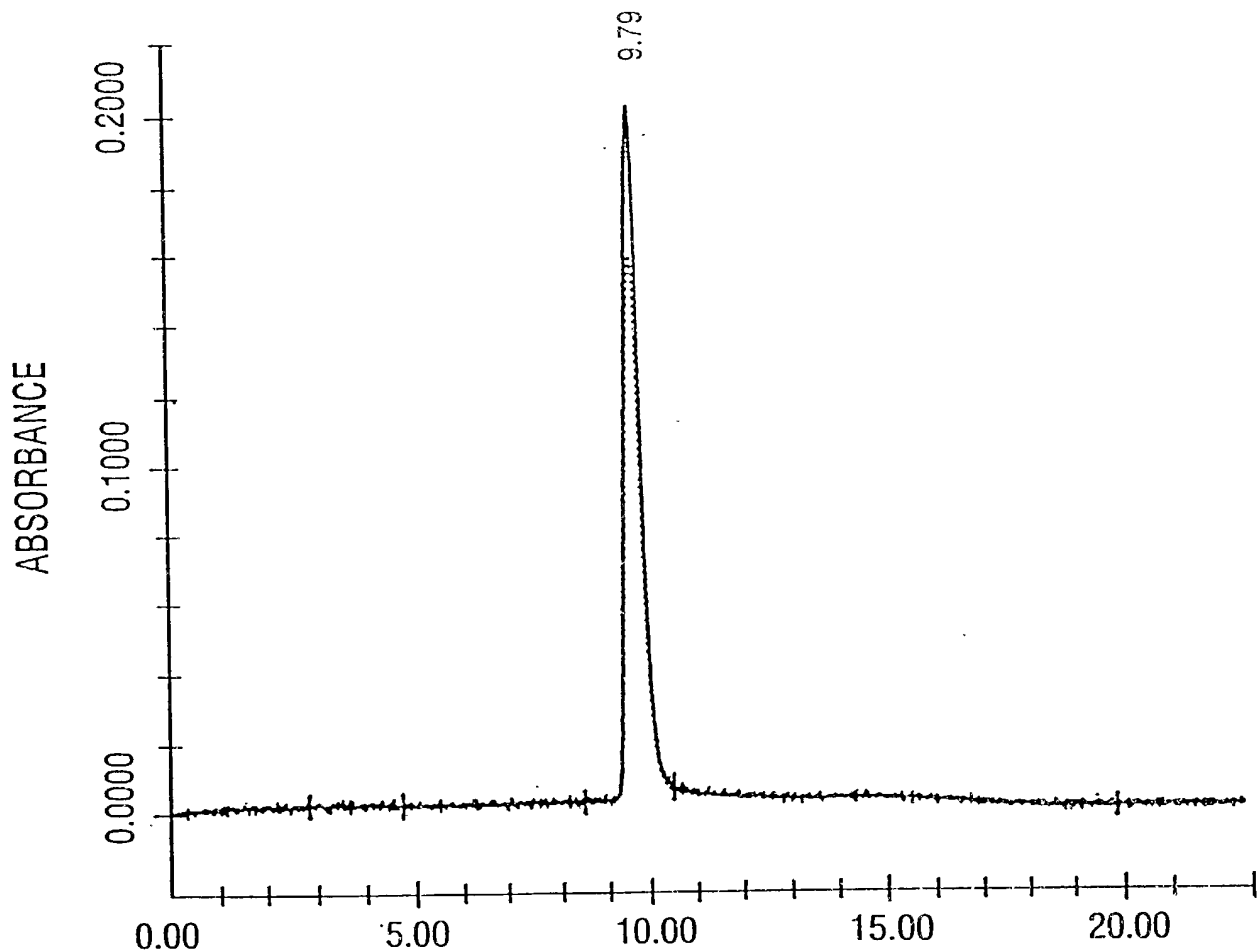


FIG. 18

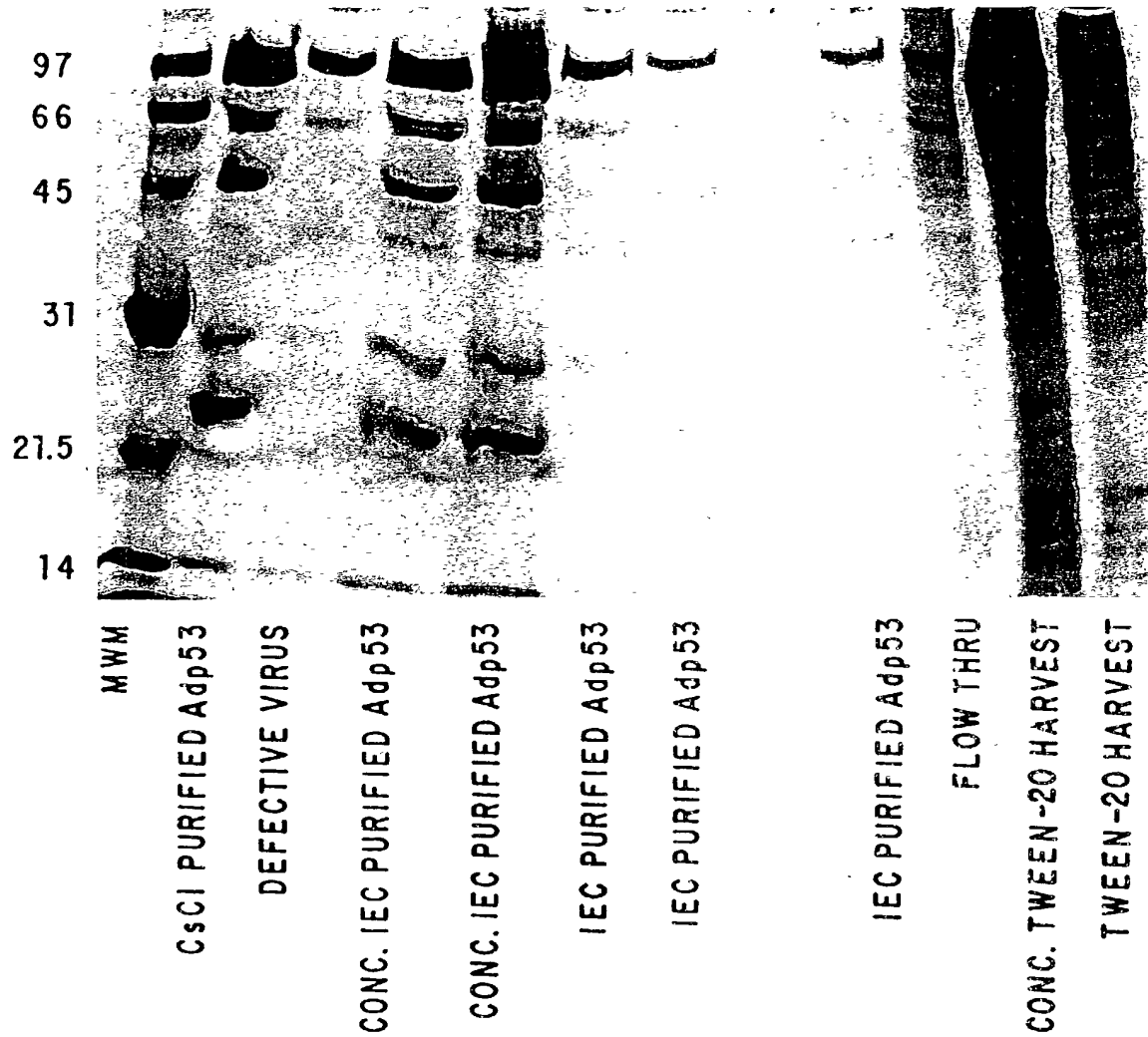


FIG.19A

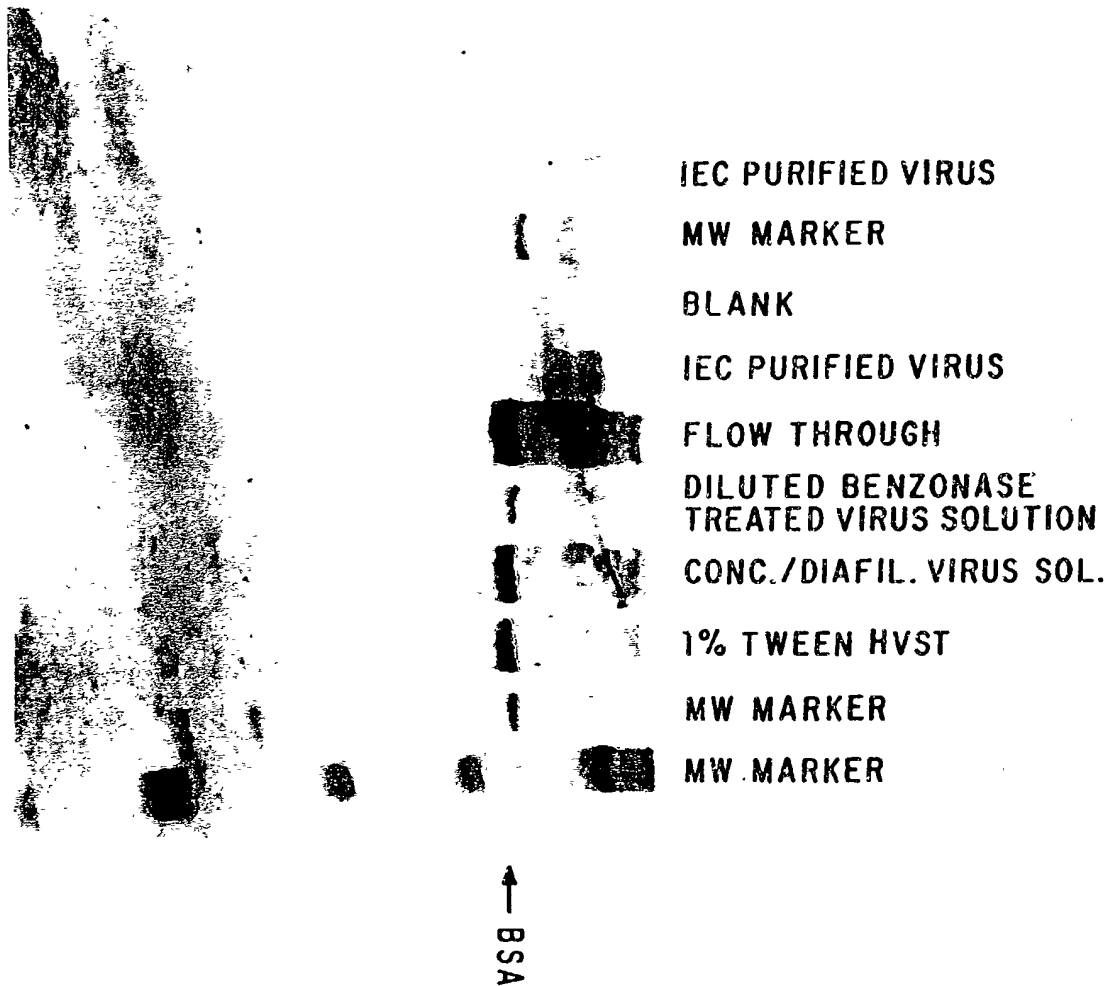


FIG.19B

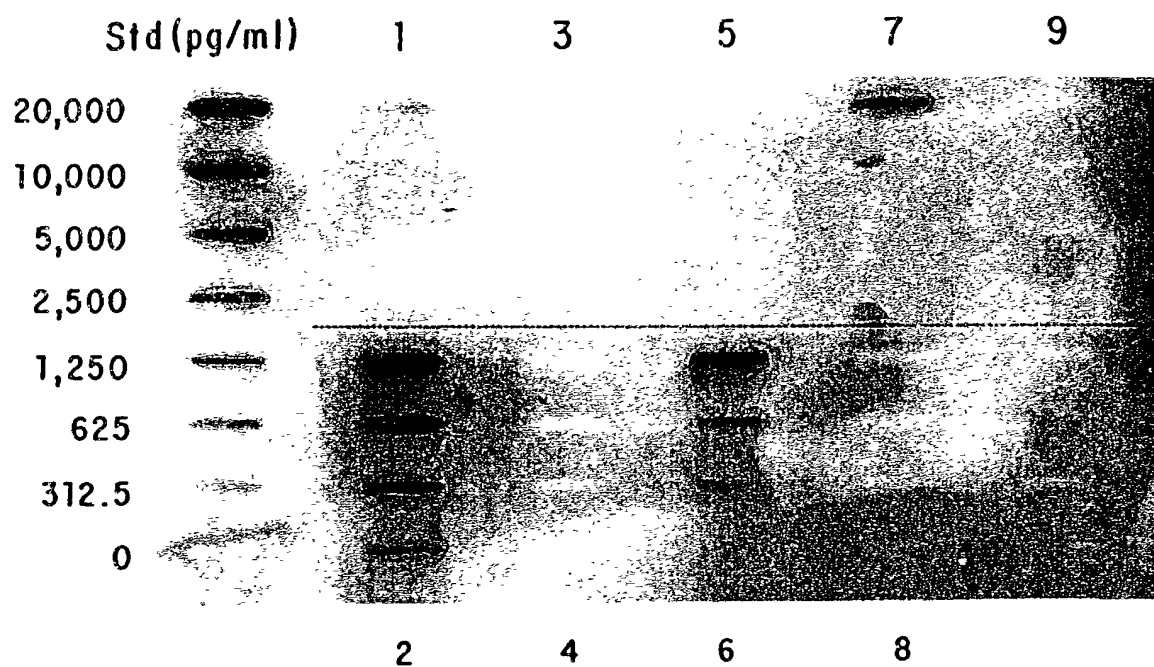


FIG.19C

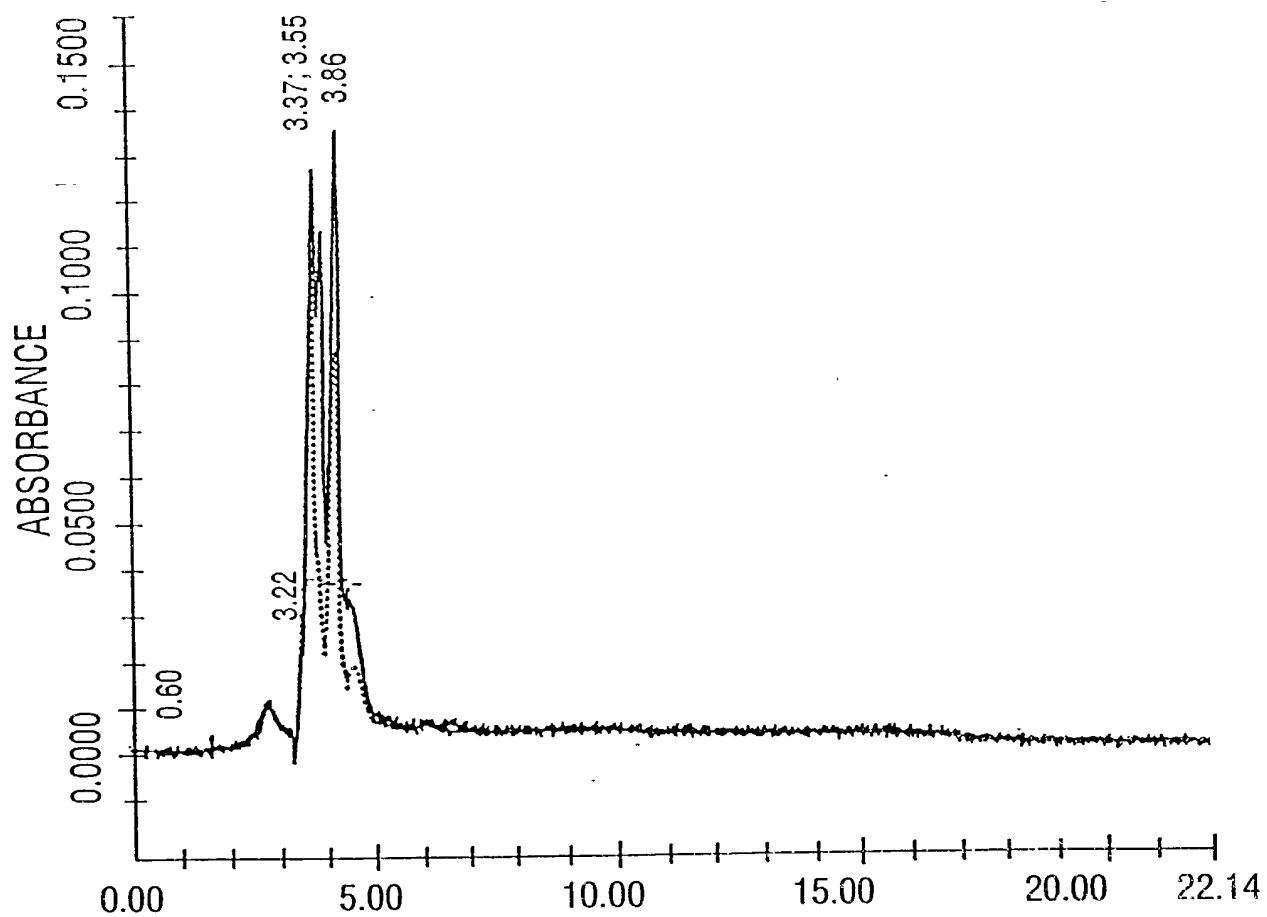


FIG. 20A

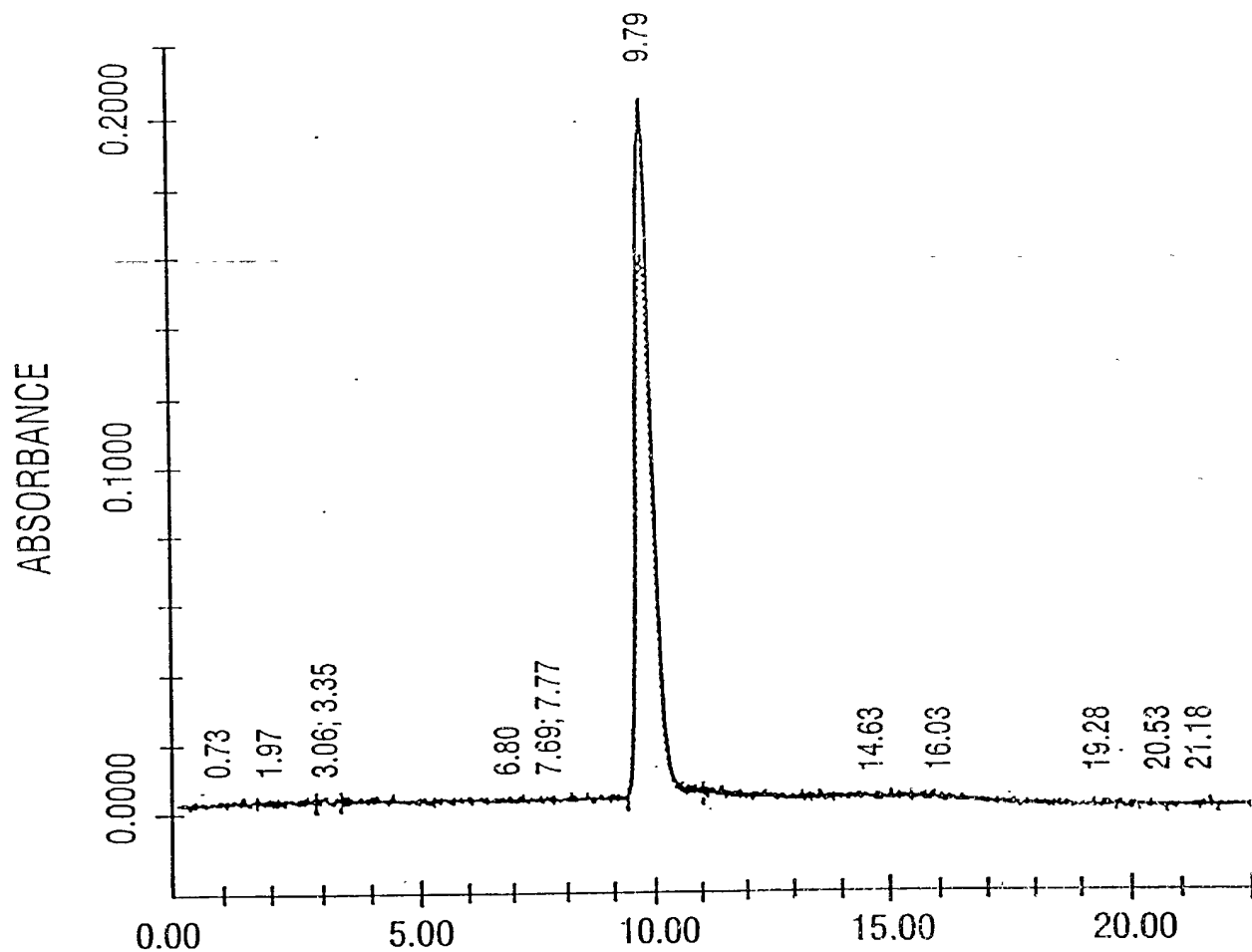


FIG. 20B

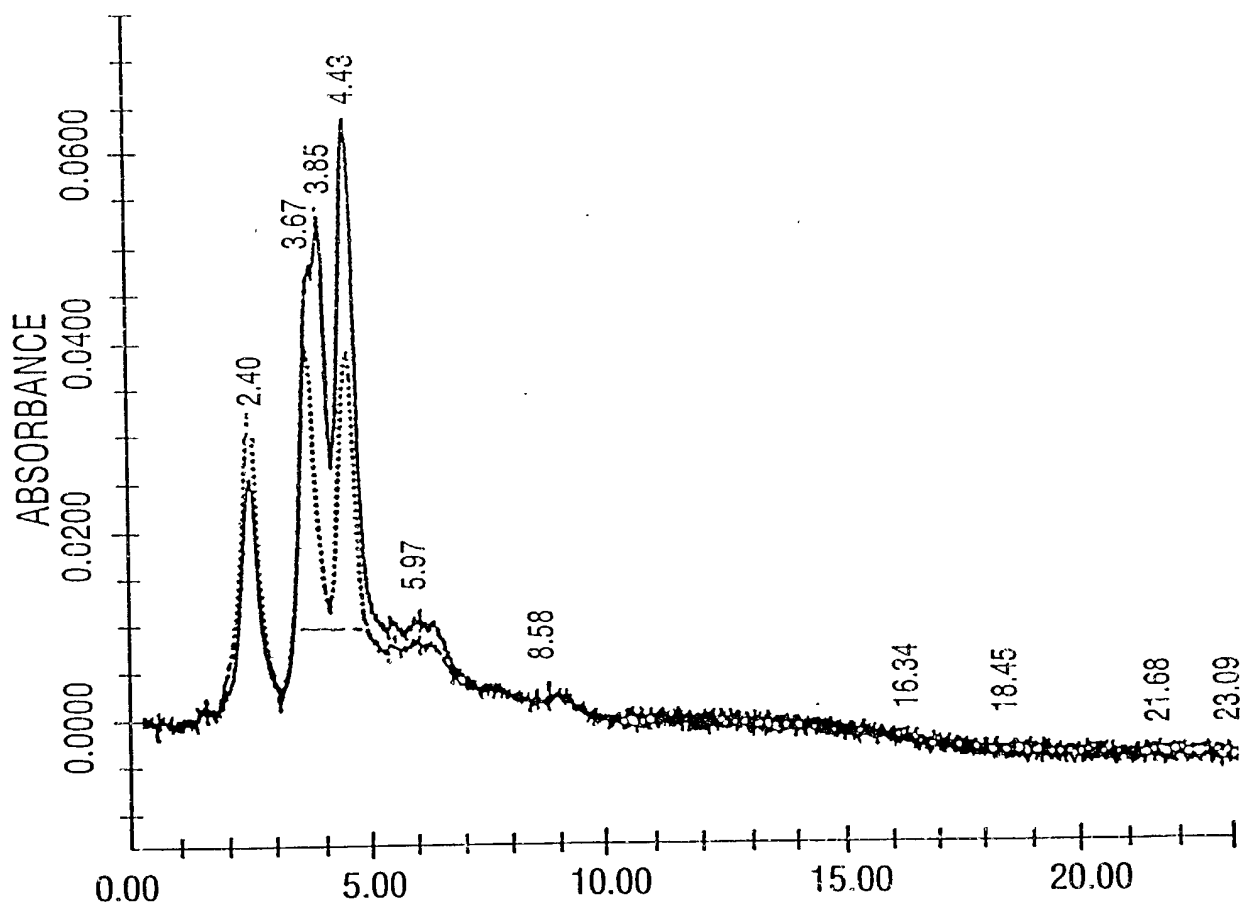


FIG. 20C

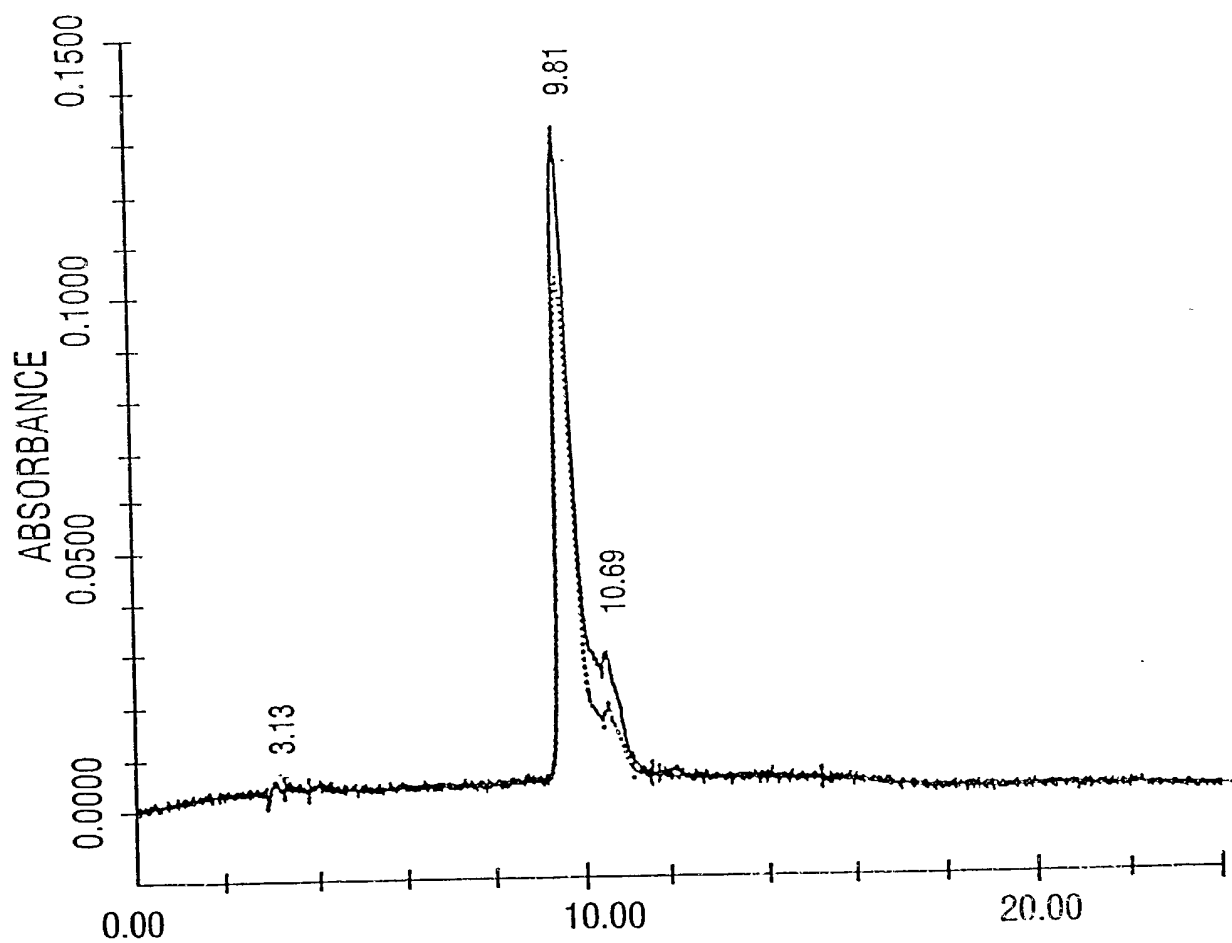


FIG. 20D

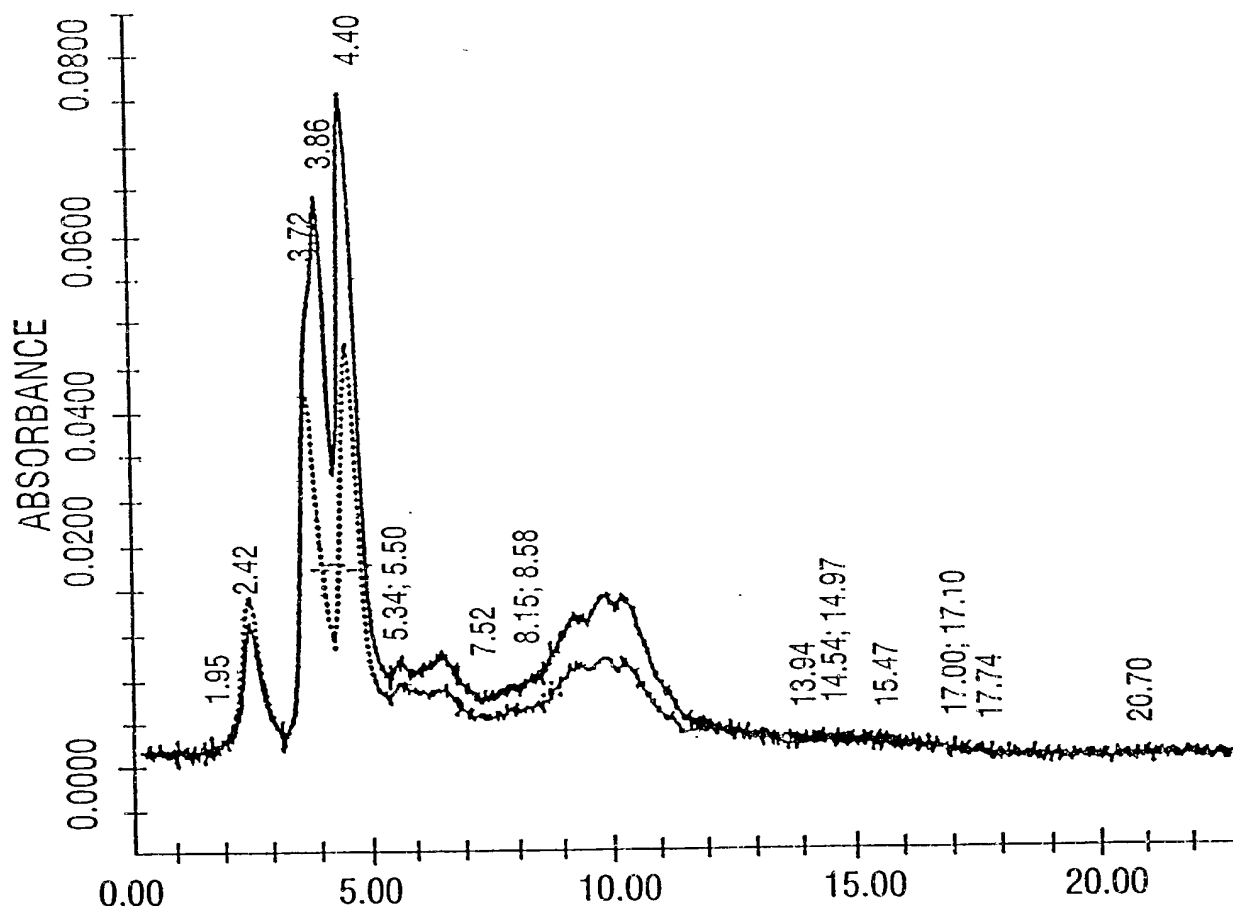


FIG. 20E

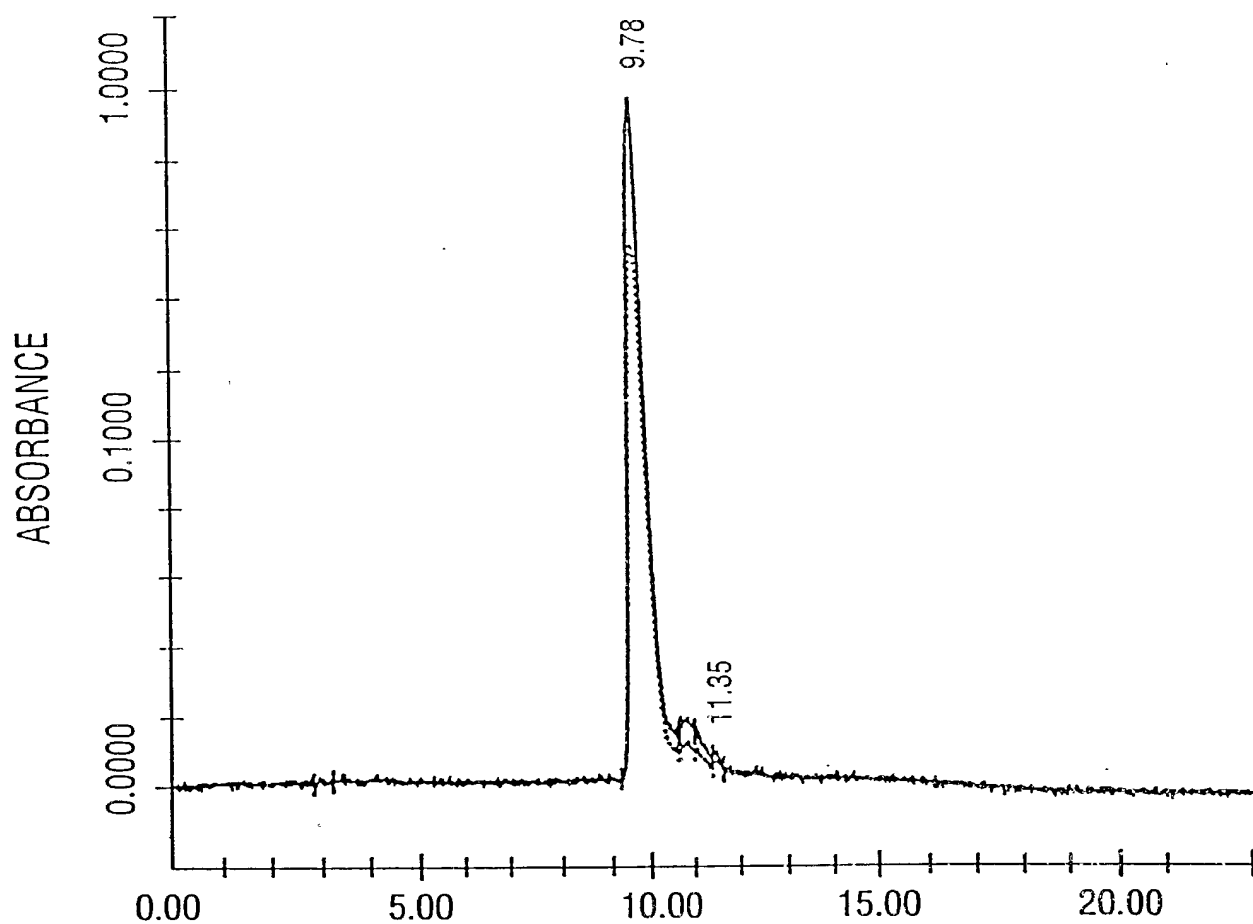
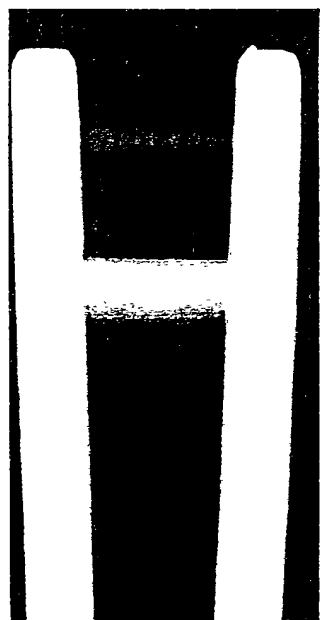


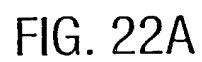
FIG. 20F



← DEFECTIVE VIRUS BAND (TITER: 3×10^7 PFU/ml)

← INTACT VIRUS BAND (TITER: 1×10^{11} PFU/ml)

FIG.21



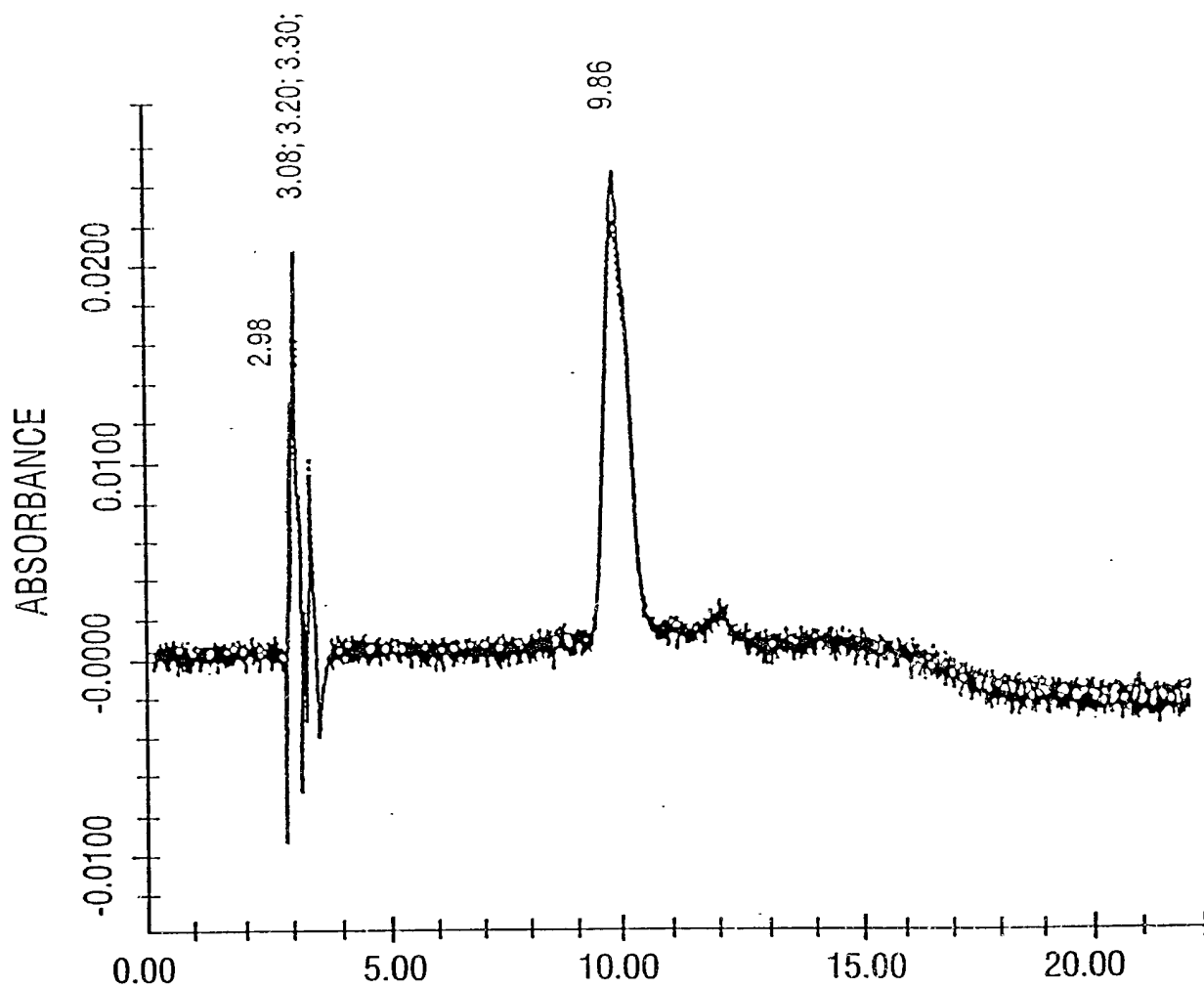


FIG. 22B

	TILTER (PFU/ML)	VOL. (ml)	YEILD (PFU)	RECOVERY (%)	STEP	ACC.
CUBE (LOW PERFUSION RATE KEEP GLUCOSE > 1g/L 1% TWEEN-20 BUFFER A ↓ HARVEST ↓ CLARIFICATION AND FILTRATION (0.22 UM) ↓ VIRUS SOLUTION	2.6x10 ⁹	1900	4.9x10 ¹²			
↓ CONC./DIAF. (10-FOLD CONC., DIAF INTO 1M NaCl BUFFER A ↓ CONC. SUP	2.5x10 ¹⁰	200	5x10 ¹²	102%		
↓ BENZONASE TREATMENT (O/N, RT, 100u/ml) ↓ TREATED SUP						
↓ DILUTED WITH WATER TO CONDUCTIVITY= 22-25 mS/cm ↓ DILUTED VIRUS SOLUTION	7x10 ⁹	700	4.9x10 ¹²	98%	100%	
↓ PURIFIED VIRUS	1.5x10 ¹⁰	240	3.6x10 ¹²	73%	73%	
↓ CONC./DIAF (5-FOLD CONC) ↓ FINAL PURIFIED PRODUCT	7x10 ¹⁰	50	3.5x10 ¹²	97%	71%	

FIG. 23